



U.S. Department of Housing and Urban Development

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Washington, DC 20410
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Environmental Assessment Determinations and Compliance Findings for HUD-assisted Projects 24 CFR Part 58

Project Information

Project Name: I. Ellis Johnson Multi-Family Housing

Project Location: Corona Avenue, Laurinburg, Scotland County, NC 28352

Federal Agency: U.S. Department of Housing and Urban Development (HUD)

Responsible Entity: North Carolina Office of Recovery and Resiliency (NCORR), P.O. Box 110465, Durham, NC 27709

Grant Recipient: Scotland County, NC

State/Local Identifier: B-18-DP-37-0001 and B-19-DT-37-0001

Preparer: Andrea Gievers, Environmental SME, NCORR

Certifying Officer Name and Title: Tracey Colores, Community Development Director, NCORR

Consultant: Miranda Horne, Project Manager, Locklear, Locklear & Jacobs, PLLC (LL&J)

Direct Comments to:

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Project Location:

The proposed project will be situated on approximately 11.49 acres on Corona Avenue in Laurinburg, Scotland County, NC 28352 (Subject Property). The Subject Property will consist of 6.8 acres subdivided from the original 15.05-acre parent parcel identified as City of Laurinburg Parcel PIN 01008001002 and combined with the adjoining 4.69-acre, Parcel PIN 0100800100201 (**Attachment 1**).

Currently, Scotland County owns the two parcels totaling 19.74 acres in Laurinburg, North Carolina. Scotland County will donate the 11.49-acre Subject Property to Southeastern Community Action Partnership, Inc. (SCAP) for the proposed project. The northern parcel contains the former I. Ellis Johnson Elementary School buildings on approximately 15.05 acres (Parcel PIN 01008001002) at 815 McGirts Bridge Road. The southern parcel is identified as Lincoln Park on McGirts Bridge Road and contains an open gazebo, playground, track, and sports court on approximately 4.69 acres (Parcel PIN 0100800100201) (**Attachment 1**). Scotland County will maintain ownership of the former school facility on five acres and likely dispose of the approximately 3.25 acres with a standalone modular building for office / administrative use.

Description of the Proposed Project [24 CFR 50.21 & 58.32]:

I. Ellis Johnson Multi-Family Housing (proposed project) involves new construction of a 55-unit multi-family, affordable housing apartment complex with a gazebo, playground, open green space, paved parking areas, retention pond, landscaping, and associated infrastructure. There are two phases of the proposed project identified and reviewed for NCORR's HUD CDBG-MIT funding under project aggregation. A Phase Three has not been fully vetted for planning and funding purposes and, thus, is not included in this 24 CFR 58 review. Phase One consists of a 10-unit one-story apartment building with a mix of six (6) one-bedroom units and four (4) two-bedroom units targeting the homeless population. Phase Two consists of 45 units in three (3) two-story apartment buildings with a mix of twenty-three (23) two-bedroom units and twenty-two (22) three-bedroom units targeting households at or below 50% and/or 80% Area Median Income (AMI). (*See Attachment 1: Preliminary Site Plans.*)

Statement of Purpose and Need for the Proposal:

More affordable housing options are needed to address the shortage in inventory exacerbated by the effects of the landfall of Hurricanes Matthew (October 8, 2016) and Florence (September 14, 2018). The availability of affordable housing to lower income families was reduced by these storm events, which disproportionately affected older, more affordable housing stock, leaving it uninhabitable. Many households have become displaced, and those with Section 8 vouchers have difficulty finding available units. The proposed units will help fulfill the affordable housing needs of the Laurinburg community.

The proposed development will provide affordable housing for low- and middle-income families in the local community. SCAP will own and manage the property and be responsible for development. SCAP intends to utilize tenant-based monthly housing choice vouchers through a federally-funded program called Housing Choice Voucher (HCV) Program, commonly referred to as Section 8. The HCV Program is the federal government's main program for assisting very low-income families, the elderly, and the disabled to afford decent, safe, and sanitary housing. All of the units will be set-aside for households at or below 50% and/or 80% AMI, dependent upon final planning and market analysis. Households will pay no more than 30% of their annual income towards housing costs. Rents would be adjusted to reflect a HUD-approved utility allowance.

Existing Conditions and Trends [24 CFR 58.40(a)]:

The Subject Property was used as an agricultural field between 1938 to 1957 (**Attachment 7**). Since that time, the Subject Property has been a grassy maintained area with a small recreational area (**Attachment 1A: Site Visit Photographs**). There are three paved access drives along Corona Avenue and one paved access drive along McGirts Bridge Road that serve the former school and offices on the northern parcel. Utilities are available near the Subject Property with utility poles situated along Corona Avenue.

The Subject Property is located behind the I. Ellis Johnson Community Center (former school) which offers senior programs, open gym, and other activities according to the County Manager (**Attachment 26**). Currently, there are residential properties and several places of worship surrounding the Subject Property. To the north and west, residential development started appearing around 1949 and has continued to increase. To the south, residential development started appearing around 1971 and has increased with the addition of commercial properties. To the east, residential development started appearing around 1987 and has increased over the years. The Subject Property is located in the City of Laurinburg approximately one mile from numerous retail businesses, banks, restaurants, and service providers.

Funding Information

Grant Number	HUD Program	Funding Amount
B-18-DP-37-0001 and B-19-DT-37-0001	CDBG-MIT	\$10,000,000.00

NCHFA HOME-ARP: \$4,000,000.00

Estimated Total HUD Funded Amount: \$14,000,000.00

Non-HUD Funding Source: FHL Bank Affordable Housing Program

Non-HUD Funding Amount: \$1,500,000.00

Non-HUD Funding Source: Centrant Community Bank Loan

Non-HUD Funding Amount: \$1,000,000.00

Estimated Total Non-HUD Funded Amount: \$2,500,000.00

Estimated Total Project Cost (HUD and non-HUD funds) [24 CFR 58.32(d)]: \$16,500,000.00

Compliance with 24 CFR 50.4, 58.5, and 58.6 Laws and Authorities:

Record below the compliance or conformance determinations for each statute, executive order, or regulation. Provide credible, traceable, and supportive source documentation for each authority. Where applicable, complete the necessary reviews or consultations and obtain or note applicable permits or approvals. Clearly note citations, dates/names/titles of contacts, and page references. Attach additional documentation as appropriate.

Compliance Factors: Statutes, Executive Orders, and Regulations listed at 24 CFR §58.5 and §58.6	Are formal compliance steps or mitigation required?	Compliance determinations
STATUTES, EXECUTIVE ORDERS, AND REGULATIONS LISTED AT 24 CFR 50.4 and 58.6		
Airport Hazards 24 CFR Part 51 Subpart D	Yes No <input type="checkbox"/> <input checked="" type="checkbox"/>	<p>The Subject Property is not located within 2,500 feet of a civilian, commercial service airport or 15,000 feet of a military airfield. The proposed project is in compliance with this section.</p> <p>Attachment 2: NEPA Assist Airports Maps with 2,500-foot and 15,000-foot Buffers and Distance Maps.</p>
Coastal Barrier Resources Coastal Barrier Resources Act, as amended by the Coastal Barrier Improvement Act of 1990 [16 USC 3501]	Yes No <input type="checkbox"/> <input checked="" type="checkbox"/>	<p>Based on the U.S. Fish and Wildlife Service (USFWS) Coastal Barrier Resources System (CBRS) Map, the Subject Property is not located in or immediately adjacent (within 150 feet) to a CBRS Unit or Otherwise Protected Area (OPA). No additional review is required. The proposed project is in compliance with this section.</p> <p>Attachment 3: USFWS CBRS Map and Certification.</p>
Flood Insurance Flood Disaster Protection Act of 1973 and National Flood Insurance Reform Act of 1994 [42 USC 4001-4128 and 42 USC 5154a]	Yes No <input type="checkbox"/> <input checked="" type="checkbox"/>	<p>Based on the Federal Emergency Management Agency (FEMA) Flood Insurance Rate Map (FIRM) panel 3710836700K, effective 7/7/2014, the Subject Property is wholly located in Zone X, outside of Special Flood Hazard Area (SFHA). The Subject Property does not include any areas of regulatory floodway. There are no Preliminary FIRMs (PFIRMs) available at the FEMA Flood Map Service Center for the Subject Property. Thus, flood insurance will not be required for the proposed project because all insurable structures will be located in Zone X. While flood insurance</p>

		<p>may not be mandatory in this instance, HUD recommends that all insurable structures maintain flood insurance under the NFIP. The proposed project is in compliance with flood insurance requirements.</p> <p>Attachment 4: FEMA FIRMs with Parcel Boundary.</p>
STATUTES, EXECUTIVE ORDERS, AND REGULATIONS LISTED AT 24 CFR 50.4 & 58.5		
<p>Clean Air</p> <p>Clean Air Act, as amended, particularly section 176(c) & (d); 40 CFR Parts 6, 51, 93</p>	<p>Yes No</p> <p><input type="checkbox"/> <input checked="" type="checkbox"/></p>	<p>The Subject Property is located in Scotland County, which is an attainment county according to the North Carolina Nonattainment/Maintenance Status for Each County by Year for All Criteria Pollutants (EPA Green Book). The construction and operation of the facility is exempt from NC State air quality permit requirements under 15A NCAC 02Q. 0102(d) since emissions will be below the established thresholds. Thus, the proposed project's emissions are automatically considered de minimis (40 CFR § 93.153(c)(2)) and the proposed project is considered compliant with the State Implementation Plan (SIP). The proposed project would not exceed de minimis emissions levels for federal general conformity purposes (40 CFR § 93.153(c)(2)).</p> <p>The proposed project constructs a multi-family residential complex with amenities. Most of the residents are expected to come from the local area and surrounding communities. The proposed project will not generate significant levels of vehicular traffic. Construction-related activities (land clearing, grading) can cause short-term exposures to sensitive receptors from particulate matter (PM 10) such as fugitive dust and emissions from construction equipment. Mitigation measures for dust control will be implemented to reduce potential impacts to air quality during construction. The proposed project will conform to NC Air Quality Management regulations during and following construction. The contractor will use Best Management Practices (BMPs) to reduce fugitive dust generation and diesel emissions. BMPs can include wetting the grading site during dry conditions; maintaining vegetative cover as much as possible around cleared areas; a water truck to</p>

		<p>stabilize potential dust during high traffic times or high wind days on heavily-travelled access roads and storage areas; and operating construction vehicles and machinery at reduced speeds to reduce soil disturbance and fugitive dust potential. BMPs to mitigate the generation of emissions during construction include limiting use of vehicles and other machinery to construction hours only and removal once construction is completed.</p> <p>Therefore, there will be no significant impact to air quality from the proposed project. The operation of the proposed project following the completion of construction activities will not significantly increase emissions. Any air quality impacts would be short-term and localized during construction and, therefore, no significant adverse impacts to air quality are anticipated. Thus, the proposed project is in compliance with this section.</p> <p>Attachment 5: North Carolina Nonattainment/Maintenance Status for Each County by Year for All Criteria Pollutants.</p> <p><i>See also, Recent Updates: Federal Register Notices Published or Effective After July 31, 2025 Green Book US EPA</i> https://www3.epa.gov/airquality/greenbook/adde.html.</p>
<p>Coastal Zone Management</p> <p>Coastal Zone Management Act, sections 307(c) & (d)</p>	<p>Yes No</p> <p><input type="checkbox"/> <input checked="" type="checkbox"/></p>	<p>The Subject Property is located in Scotland County, which is not one of the 20 coastal counties included in the State's Coastal Management Program. A Consistency Determination is not required to be submitted to the NC Division of Coastal Management (DCM). NC DCM carries out the State's Coastal Area Management Act (CAMA), the Dredge and Fill Law and the federal Coastal Zone Management Act of 1972 in the 20 coastal counties, using rules and policies of the NC Coastal Resources Commission known as the CRC. No further action is required. The proposed project is in compliance with the Coastal Zone Management Act.</p> <p>Attachment 6: NC DCM Counties Map.</p>

<p>Contamination and Toxic Substances</p> <p>24 CFR Part 50.3(i) & 58.5(i)(2)</p>	<p>Yes No</p> <p><input checked="" type="checkbox"/> <input type="checkbox"/></p>	<p>According to NEPAassist, the Subject Property is not identified on an EPA Superfund National Priorities or Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) List, or equivalent State list. According to the NC DEQ DWM UST Section's Fayetteville Regional Office, there are no records of a petroleum release in the general area of the parcel ID provided for this project number. However, the tank registration database indicates a 10,000-gallon fuel oil tank was permanently closed on 12/21/1998 at the Ellis Johnson Middle School, 815 McGirt's Bridge Road, Laurinburg. There are no records for this tank closure but is likely located on the northern school parcel and not on the Subject Property. The NC DEQ DWM UST Section's Fayetteville Regional Office will be notified if any USTs are discovered during site development (Attachment 28). The Phase I Environmental Site Assessment (ESA) found no recognized environmental conditions (RECs), controlled RECs (CRECs), or significant data gaps in connection with the Subject Property (Attachment 7). There were household trash/debris dumping areas observed in the wooded area along the northeastern property boundary of the full original parcel. All containers were empty, and no visible signs of leaks or spills were observed in these areas. These dumping areas are considered to be de minimis conditions and do not represent a REC associated with the Subject Property (Attachment 7).</p> <p>According to NEPAassist, there are no federal Superfund (NPL) sites, six Brownfield sites, one Toxic Release Inventory (TRI) site, four Water Dischargers (NPDES), one Air Emissions site, and eight Hazardous Waste (RCRA) facilities located within a one-mile radius of the Subject Property (Attachment 7). Only two of these sites are located within 0.5-mile of the Subject Property, the Hazardous Waste (RCRA) facilities, Ronnie's Sanitation Service and Bill's Paint & Auto Repair. Ronnie's Sanitation Service is listed as an inactive RCRA facility with no violations identified in the last three years. Bill's Paint & Auto Repair is listed as an active Very Small Quantity Generator (VSQG) with no violations identified in the last three years. Due to the distance, regulatory status, and type of facilities</p>
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		<p>and/or contamination, these sites do not pose a hazard that could affect the health and safety of the occupants or conflict with the intended utilization of the Subject Property. (See Attachment 7.)</p> <p>According to NC DEQ DWM Site Locator Tool, there are no Superfund sites, three Hazardous Waste facilities, two Inactive Hazardous sites, 25 UST Incidents, two Non-UST Incidents, and 10 UST Active facilities located within one-mile of the Subject Property. Of these sites, only one Hazardous Waste (RCRA) facility, Bill's Paint & Auto Repair, is located within 0.5-mile of the Subject Property. Due to the distance, regulatory status, and type of facilities and/or contamination, these sites do not pose a hazard that could affect the health and safety of the occupants or conflict with the intended utilization of the Subject Property. (See Attachment 7.)</p> <p>According to NC DEQ DWM Section comment, there are three Superfund Section sites and no Brownfields Program sites located within one-mile of the Subject Property (Attachment 28). These include two inactive hazardous sites, Pee Dee Timber Company (0.954 mi) and East Church Street Contamination (0.94 mi). The third site is the Laurinburg Dump on Hall St. (34.766770, -79.450931) which is a pre-regulatory landfill site located approximately 4,700 feet from the Subject Property. Thus, the Subject Property is not located within 3,000 feet of a toxic or solid waste landfill site including pre-regulatory landfill sites. Due to the distance, type of contamination, and proposed project's connection to municipal water, these sites do not pose a hazard that could affect the health and safety of the occupants or conflict with the intended utilization of the Subject Property.</p> <p>Currently, there is insufficient radon testing data available for Scotland County. The Developer has the option to incorporate a radon venting system into the proposed project's designs for construction. After construction is completed, radon testing will be performed using a HUD-approved method such as ANSI/AARST standards or Do-It-Yourself (DIY) kits, preferably devices approved by the National</p>
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		<p>Radon Proficiency Program (NRPP), National Radon Safety Board (NRSB), or a local authority. If the radon levels are determined to be <i>under</i> 4 pCi/L, then no further action is required. All radon test results must be submitted to NCORR. If the radon levels are determined to be <i>at or above</i> 4 pCi/L, then a radon mitigation plan must be documented, implemented, and submitted to NCORR. The mitigation plan must: identify the radon level; consider the risk to occupant's health; describe the radon reduction system that will be installed; establish an ongoing maintenance plan (to ensure the system is operating as intended); establish a reasonable timeframe for implementation; and require post-installation testing (by a licensed radon professional, where feasible). NCORR's Environmental Review Record (ERR) must be updated with the radon testing results and any required mitigation when complete. HUD strongly recommends that buildings be tested prior to occupancy. Documentation to submit to NCORR may include ANSI/AARST testing results, mitigation reports and/or plans, emails of test results from DIY test kits, etc. The HUD Radon Policy does not preempt or override any existing federal, State, or local requirements regarding residential radon testing and mitigation that may be more strict or comprehensive than the policy notice.</p> <p>Based upon the site inspection, Phase I ESA, and review of available environmental and historical records and reports for the Subject Property and surrounding area, there is potential radon that could affect the health and safety of occupants or conflict with the intended utilization of the Subject Property without proper mitigation. With the proper mitigation measures and protocols discussed above, the Subject Property will be unlikely to contain hazardous materials, contamination, toxic chemicals and gases, and radioactive substances, where a hazard could affect the health and safety of occupants or conflict with the intended utilization of the Subject Property. The proposed project is in compliance with contamination and toxic substances requirements.</p> <p>Attachment 7: NEPAssist EPA Facilities with 1-mile and 0.5-mile Buffers, Facility Reports, NC</p>
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		DEQ DWM Site Locator Reports with 1-mile, 0.5-mile, and 3,000-foot Buffer, and Phase 1 ESA.
<p>Endangered Species</p> <p>Endangered Species Act of 1973, particularly section 7; 50 CFR Part 402</p>	<p>Yes No</p> <p><input checked="" type="checkbox"/> <input type="checkbox"/></p>	<p>The Subject Property was utilized as an agricultural field from 1938 to 1957. Since then, it has been a mostly cleared, regularly mowed lawn and recreational area (<i>see Attachment 1A and Attachment 7</i>). There are no walled structures or culverts on or near the Subject Property that will be impacted through the proposed project. The Subject Property is situated in an urban setting.</p> <p>According to the USFWS Information for Planning and Consultation (IPaC) Official Species List prepared for the Subject Property, there are a total of eight federally-listed and/or proposed species identified. Based on the USFWS IPaC and Critical Habitat Mapper results, there are no critical habitats on the Subject Property. The Consultant did not observe any of the above-listed species or habitat during the site visit. In addition, the NC Natural Heritage Program (NC NHP) database query documented no federally-listed and/or proposed species within a one-mile radius of the Subject Property. The NC NHP database query identified one managed area, Scotland County Open Space, at the Subject Property, and five managed areas within a one-mile radius, City of Laurinburg Market Park, two City of Laurinburg Open Spaces, the Scotland County Jaycee Park and Scotland County Open Space.</p> <p>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. No bald eagle nests were observed during the site visit. It is anticipated that temporary noise impacts might occur during construction. The Subject Property is a regularly mowed lawn and a recreational area that doesn't require tree removal.</p> <p>The Developer agrees to incorporate the USFWS lighting mitigation measures in the IPaC Determination Key. <i>These mitigation</i></p>

measures include: "1) The use of downward-facing, full cut-off lens lights (with same intensity or less for replacement lighting) when installing new or replacing existing permanent lights; 2) Or, if using the Backlight, Uplight, Glare (BUG) system developed by the Illuminating Engineering Society, all three ratings (backlight, uplight, and glare) should be as close to zero as is possible, with a priority of "uplight" of 0; and 3) Temporary lighting should be directed away from suitable NLEB or TCB roosting habitat." According to Ms. Matthews, "based on the commitment to lighting measures and the statement that no trees are proposed for removal the Service believes that the project is not likely to adversely affect the tricolored bat." Please remember that obligations under section 7 consultation must be reconsidered if: (1) new information reveals impacts of this identified action that may affect listed species or critical habitat in a manner not previously considered; (2) this action is subsequently modified in a manner that was not considered in this review; or, (3) a new species is listed or critical habitat determined that may be affected by the identified action."

The Service issued a letter stating that "[b]ased on the information provided and other information available, it appears that the proposed action is **not likely to adverse affect** any federally-listed endangered or threatened species, their formally designated critical habitat, or species currently proposed for listing under the Act at these sites. We believe that the requirements of section 7(a)(2) of the Act have been satisfied for your project (Attachment 7). **The Grant Recipient is required to update this determination annually for multi-year activities.**

For this proposed project, the USFWS Raleigh Ecological Services (ES) Field Office's (FO) online 10-step project review process was completed and "**no effect**" determinations for proposed/ listed species and/ or proposed/ designated critical habitat, except a "**may affect not likely to adversely affect**" determination for the Tri-colored Bat, and a "**no Eagle Act permit required**" determination for eagles. The Self-certification Letter and 10-step Project Review

		<p>Package were submitted to the USFWS Raleigh ES FO on December 10, 2024. Ms. Kathy Matthews, USFWS Raleigh ES FO staff person, responded that the “Service agrees that this project is not likely to adversely affect any listed species.”</p> <p>Attachment 8: USFWS and NCORR Correspondence and USFWS Raleigh FO 10-step Package. <i>See Attachment 1A:</i> Site Visit Photographs and Attachment 7: Phase I ESA.</p>
<p>Explosive and Flammable Hazards</p> <p>24 CFR Part 51 Subpart C</p>	<p>Yes No</p> <p><input type="checkbox"/> <input checked="" type="checkbox"/></p>	<p>The proposed project does not involve the development of a hazardous facility (a facility that mainly stores, handles or processes flammable or combustible chemicals such as bulk fuel storage facilities and refineries). The Phase I ESA and site reconnaissance conducted at the Subject Property and surrounding area did not identify explosive or flammable hazards. ASTs were not identified within one mile of the Subject Property during the review of aerial maps and photographs and databases. A completed Thermal and Explosives Hazards Worksheet indicates that such hazards were not identified.</p> <p>The City of Laurinburg Fire Marshal/ Inspector was consulted regarding planned and existing ASTs located within one mile of the Subject Property. The City of Laurinburg Fire Marshal/ Inspector identified no planned or existing AST sites located within one mile of the Subject Property. Therefore, no mitigation is required for explosive and flammable hazards. The proposed project is in compliance with explosive and flammable hazards.</p> <p>Attachment 9: Signed HUD Thermal and Explosive Hazards Worksheet, Aerial Map with 1-mile Buffer, and Fire Marshal/ Inspector Correspondence on Planned and Existing ASTs.</p>
<p>Farmlands Protection</p> <p>Farmland Protection Policy Act of 1981, particularly sections 1504(b) and 1541; 7 CFR Part 658</p>	<p>Yes No</p> <p><input type="checkbox"/> <input checked="" type="checkbox"/></p>	<p>The proposed project includes activities that could potentially convert agricultural land to a non-agricultural use, but an exemption applies. According to 7 CFR Part 658.2(a) “[f]armland does not include land already committed to urban development.” Farmland “already in” urban development includes all such land identified as an “urbanized area” (UA) on the Census Bureau Map, or as urban area mapped with a “tint</p>

		<p>overprint” on the USGS topographical maps, or as “urban-built-up” on the USDA Important Farmland Maps. According to the 2023 U.S. Census Bureau TIGER/Line Urban Areas Map, the Subject Property is located within an “urbanized area.” Thus, the Subject Property is not subject to provisions of the Farmland Protection Policy Act (FPPA) according to the FPPA Manual, Subpart B – Program Activities and Requirements, Section 523.10(B)(ii) - Lands Not Subject to Provisions of FPPA based on lands identified as “urbanized area.” The proposed project is in compliance with this section.</p> <p>Attachment 10: 2023 U.S. Census Bureau TIGER/Line Urbanized Areas Map and USDA NRCS Web Soil Survey.</p>
<p>Floodplain Management</p> <p>Executive Order 11988, particularly section 2(a); 24 CFR Part 55</p>	<p>Yes No</p> <p><input type="checkbox"/> <input checked="" type="checkbox"/></p>	<p>Based on the FEMA FIRM panel 3710836700K, effective 7/7/2014, the Subject Property is wholly located in Zone X, outside of a SFHA. There are no PFIRMs available at the FEMA Flood Map Service Center for the Subject Property. The Subject Property does not include any areas of regulatory floodway. Upon the completion of the Federal Flood Risk Management Standard (FFRMS) Floodplain Determination Worksheet, it was determined to be not located in an FFRMS floodplain. In addition, the Federal Flood Standard Support Tool (FFSST) generated FFRMS Freeboard Value Approach (FVA) Report confirmed the Subject Property is not located in an FFRMS floodplain.</p> <p>The proposed project activities will be completed in accordance with all applicable federal, State and local laws, regulations, and permit requirements and conditions. Permits required for this proposed project shall be obtained before commencing work and appended to the ERR when received from the permitting agencies.</p> <p>Since the Subject Property is located in Zone X and outside of the FFRMS floodplain, the proposed project is in compliance with this section. Further compliance steps under 24 CFR Part 55 and Executive Order (EO) 11988 are not required.</p>

		Attachment 11: FEMA FIRMs with Parcel Boundary, FFRMS Floodplain Determination Worksheet, and FFSST FVA Report.
Historic Preservation National Historic Preservation Act of 1966, particularly sections 106 and 110; 36 CFR Part 800	Yes No <input type="checkbox"/> <input checked="" type="checkbox"/>	<p>The Subject Property consists of a mowed lawn with an open gazebo, playground, track, and sports court on the southern portion. A review of the Subject Property in the National Register of Historic Places (NRHP) and North Carolina State Historic Preservation Office’s HPOWEB and site visit identified no publicly recorded historic properties which are locally designated or listed in or eligible for inclusion in the State or National Register of Historic Places located on or adjacent to the Subject Property or within the APE (Attachment 12).</p> <p>The NC SHPO was consulted for a concurrence that the proposed project would result in “No Historic Properties Affected” pursuant to 36 CFR 800.4(d)(1). NCORR submitted the proposed project to the NC SHPO via email to the State Environmental Clearinghouse on June 4, 2025. The NC SHPO responded in a letter dated June 19, 2025 stating “[w]e have conducted a review of the project and are aware of no historic resources which would be affected by the project. Therefore, we have no comment on the project as proposed.” (<i>See Attachment 12.</i>)</p> <p>According to the HUD Tribal Directory Assessment Tool (TDAT), the Catawba Indian Nation is the only federally-recognized tribe with interests in Scotland County, North Carolina. On June 4, 2025, NCORR consulted with the Catawba Indian Nation for discussion of historic properties in the proposed project area that may have religious and cultural significance (Attachment 12). On July 24, 2025, the Catawba Indian Nation’s Tribal Historic Preservation Office (THPO) responded that the “Catawba have no immediate concerns with regard to traditional cultural properties, sacred sites or Native American archaeological sites within the boundaries of the proposed project areas. However, the Catawba are to be notified if Native American artifacts and / or human remains are located during the ground disturbance phase of this project.”</p>

		<p>NCORR sent a Project Notification Letter to the Lumbee Tribe of NC on June 12, 2025 (Attachment 12). The proposed project is in compliance with this section.</p> <p>Attachment 12: SHPO Response, NCORR SHPO Submission Package, HUD TDAT Results, Catawba Indian Nation Response, NCORR Catawba Indian Nation Section 106 Review Packages, and Lumbee Tribe Project Notification Letter.</p>
<p>Noise Abatement and Control</p> <p>Noise Control Act of 1972, as amended by the Quiet Communities Act of 1978; 24 CFR Part 51 Subpart B</p>	<p>Yes No</p> <p><input type="checkbox"/> <input checked="" type="checkbox"/></p>	<p>The proposed project does not involve siting a noise generating facility. The proposed project involves new residential construction so a preliminary screening was completed to identify potential noise generators in the vicinity (1,000 feet from a major road, 3,000 feet from a railroad, and 15 miles from an airport). According to the NC Department of Transportation (NC DOT) Average Annual Daily Traffic (AADT) map, there are two major roads with AADT data available, McGirts Bridge Road (SR 1433) and Produce Market Road (SR 1439), within 1,000 feet of the Subject Property. There is one railroad track, Crossing ID #630929C, located within 3,000 feet of the Subject Property. There is one airport, Laurinburg-Maxton Airport (MEB), located within 15 miles of the Subject Property. (See Attachment 13.)</p> <p>A HUD Noise Assessment was completed in accordance with HUD's Noise Assessment Guidelines to quantify the noise exposure at the Subject Property (Attachment 13). The HUD Day/Night Noise Level (DNL) Assessment was completed using NC DOT Current (2023) and Projected 2045 (20-year) traffic projections for "major roads" with AADT available within 1,000 feet of the Subject Property and U.S. DOT Crossing Inventory Form for railroads within 3,000 feet of the Subject Property (Attachment 13). Per the HUD Airport Noise Worksheet, Laurinburg-Maxton Airport (MEB) is a small airport and it is assumed that the noise attributed to the airplanes will not extend beyond the boundaries of the airport (Attachment 13).</p>

		<p>The Combined DNLs for all NALs are within the HUD Acceptable noise level range (65 dB or less) for Current (2023) and Projected 2045 (20-year) traffic projections. The Combined DNLs for <i>NAL 1</i> were 55 dB Current (2023) and 55 dB Projected 2045. The Combined DNLs for <i>NAL 2</i> were 56 dB Current (2023) and 55 dB Projected 2045. The Combined DNLs for <i>NAL 3</i> were 55 dB Current (2023) and 54 dB Projected 2045. No further action is required.</p> <p>The proposed project activities are not expected to generate excessive noise during the short-term construction work nor long-term operation. Short-term construction work will adhere to local noise control standards/regulations. Construction noise will be limited to daytime hours, Monday through Friday, except in emergency situations. Construction equipment will be required to meet local sound control requirements. The proposed project is in compliance with this section.</p> <p>Attachment 13: HUD Noise Assessment.</p>
<p>Sole Source Aquifers</p> <p>Safe Drinking Water Act of 1974, as amended, particularly section 1424(e); 40 CFR Part 149</p>	<p>Yes No</p> <p><input type="checkbox"/> <input checked="" type="checkbox"/></p>	<p>There are no Sole Source Aquifers located in the State of North Carolina, according to the U.S. EPA. The proposed project is in compliance with Sole Source Aquifer requirements.</p> <p>Attachment 14: U.S. EPA Sole Source Aquifer Map.</p>
<p>Wetlands Protection</p> <p>Executive Order 11990, particularly sections 2 and 5</p>	<p>Yes No</p> <p><input type="checkbox"/> <input checked="" type="checkbox"/></p>	<p>According to the USFWS National Wetland Inventory (NWI) Map, there are no federally-mapped wetlands situated on or immediately adjacent to the Subject Property. During the site visit, no wetlands (including HUD-defined wetlands) were identified within the boundaries or immediately adjacent to the Subject Property.</p> <p>Since there are no onsite or off-site wetlands identified that would be directly or indirectly impacted by the proposed project, no additional review is required. BMPs for erosion and sedimentation control such as silt fencing will be utilized during construction to prevent off-site sedimentation impacts, green open spaces incorporated, and native plants used in</p>

		<p>landscaping and site restoration. The proposed project activities will be completed in conformance with all applicable federal, State, and local laws, regulations, and permit requirements and conditions. Permits required for this proposed project shall be obtained before commencing work and appended to the ERR when received from the permitting agencies. The proposed project is in compliance with this section.</p> <p>Attachment 15: USFWS NWI Map and Wetland Delineation. <i>See Attachment 1A:</i> Site Visit Photographs.</p>
<p>Wild and Scenic Rivers</p> <p>Wild and Scenic Rivers Act of 1968, particularly section 7(b) and (c)</p>	<p>Yes No</p> <p><input type="checkbox"/> <input checked="" type="checkbox"/></p>	<p>The proposed project will not affect a designated, listed or study Wild and Scenic River in the DOI NPS Nationwide Rivers Inventory (NRI) or National Wild and Scenic Rivers (WSR) System. According to the NEPAassist Map, there are no designated river segments located within 0.25-mile of the Subject Property. The proposed project does not include a water resources project or construction that will affect the free-flowing characteristics or the scenic or natural values of a listed or study NRI or Wild and Scenic River. No new construction will occur in wetlands or water resources including riverbanks or riverbeds under the proposed project. In addition, the proposed project will incorporate BMPs for erosion and sedimentation control such as silt fencing will be utilized during construction to prevent off-site sedimentation impacts, green open spaces incorporated, and native plants used in landscaping and site restoration. The proposed project is in compliance with this section.</p> <p>Attachment 16: NEPAassist Map of DOI NPS Nationwide Rivers Inventory and National Wild and Scenic Rivers System Showing 0.25-mile Buffer and Distance from Closest WSR to Subject Property.</p>

Environmental Assessment Factors [24 CFR 58.40]:

Recorded below is the qualitative and quantitative significance of the effects of the proposal on the character, features and resources of the project area. Each factor has been evaluated and documented, as appropriate and in proportion to its relevance to the proposed action. Verifiable source documentation has been provided and described in support of each determination, as appropriate. Credible, traceable and supportive source documentation for each authority has been provided. Where applicable, the necessary reviews or consultations have been completed and applicable permits of approvals have been obtained or noted. Citations, dates/names/titles of contacts, and page references are clear. Additional documentation is attached, as appropriate. **All conditions, attenuation or mitigation measures have been clearly identified.**

Impact Codes: Use an impact code from the following list to make the determination of impact for each factor.

- (1) Minor beneficial impact
- (2) No impact anticipated
- (3) Minor Adverse Impact – May require mitigation
- (4) Significant or potentially significant impact requiring avoidance or modification which may require an Environmental Impact Statement

Environmental Assessment Factor	Impact Code	Impact Evaluation
LAND DEVELOPMENT		
Conformance with Plans / Compatible Land Use and Zoning / Scale and Urban Design	3	As a result of the hurricanes, the shortage of affordable housing has become acute. This proposed project will help fulfill the affordable housing needs of the community by adding 55 units. The 2 nd Goal stated in the <i>Scotland County Comprehensive Land Use Plan</i> dated March 10, 2025 (pg. 64) is to “Support Housing and Development.” According to the City Zoning Administrator, Mr. Mac McInnis, the Subject Property is currently zoned Office Institutional (OI). <i>The proposed project requires that the City Council issue a Special Use Permit and it meets the Article 7 Supplemental Regulations (Attachment 17). These Supplemental Regulations include compliance with the R-6 district’s minimum lot area, width, and setback requirements and a minimum 20-foot spacing between multi-family residential structures. The proposed project must meet these requirements as a mitigation measure in order to proceed with development. Prior to construction, the Developer will obtain a Special Use Permit and incorporate the Article 7 Supplemental Regulations to allow the proposed project’s characteristics in accordance with all applicable laws and regulations. NCORR shall be kept promptly informed of zoning changes and approvals and provided with all necessary supporting documentation.</i> The proposed project will be compatible with local land use and zoning regulations and plans with these mitigation measures. This proposed project will provide an opportunity to create much-needed affordable housing on an ideal, vacant, infill site located close to amenities.

		<p>Attachment 17: Zoning Certification and Correspondence.</p> <p>See, Scotland County Zoning Ordinance and Land Use Plan, at https://www.scotlandcounty.org/848/Scotland-County-Zoning-Ordinance-and-Lan.</p>
Soil Suitability/ Slope/ Erosion/ Drainage/ Storm Water Runoff	2	<p>According to the Phase I ESA, the “Subject Property falls within the coastal plain per the physiographic province of North Carolina mapper, and the Mesozoic Cretaceous rock stratigraphic unit. The soil is predominately part of the Lynchburg Formation, described as having a loamy sand texture. Soil drainage is reported as somewhat poorly drained. The depth to Bedrock is greater than 31 inches. The corrosion potential for uncoated steel is high.” (See Attachment 7.) According to the USDA NRCS Web Soil Survey, the Subject Property consists of 63.7% Wagram loamy sand, 0 to 6 percent slopes; 4.6% Noboco loamy sand, 0 to 2 percent slopes; 28.7% Lynchburg sandy loam, 0 to 2 percent slopes; 0.4% Dunbar fine sandy loam, 0 to 2 percent slopes; and 2.5% Thursa loamy sand, 2 to 6 percent slopes (Attachment 10).</p> <p>Based on the site plans, the Subject Property will be leveled by grading and excavation of onsite soils and, when necessary, the importation of fill material. <i>Any fill material must come from an approved source, and applicable NC regulations on erosion control permit might apply. The soils will be confirmed to be “clean” fill and that it meets project requirements prior to importing the material. The proposed project will be designed in a way to balance the grading and not require as much off-site material, if possible. Any soil removed from the site will be quantified and only exported to an approved site per NC requirements.</i></p> <p>According to NC DEQ, an erosion and sedimentation control plan (E&SCP) must be submitted for approval at least 30 days prior to initiating land-disturbing activity that satisfy the one (1) acre and/or Construction Stormwater NCG01 Common Plan of Development regulatory threshold. The NPDES Construction Stormwater General Permit (NCG010000) Certificate of Coverage shall be obtained prior to initiating land-disturbing activity. The proposed project will likely have a stormwater permit and a Stormwater Pollution Prevention Plan (SWPPP). BMPs for erosion and sedimentation control such as silt fencing will be utilized during construction, green open spaces incorporated, and native plants used in landscaping and site restoration. The proposed project activities will be completed in accordance with all applicable federal, State, and local laws, regulations, and permit requirements and conditions. Permits required for this proposed project shall be obtained before commencing work and appended to the ERR when received from the permitting agencies. Therefore, the proposed project is not expected to</p>

		<p>adversely impact soil suitability/ slope/ erosion/ drainage/ stormwater runoff at the Subject Property.</p> <p><i>See Attachment 7:</i> Contamination and Toxic Substances Documentation and <i>Attachment 10:</i> USDA NRCS Soil Survey.</p>
Hazards and Nuisances including Site Safety and Noise	2	<p>Based upon the site inspection, Phase I ESA, and review of available environmental and historical records and reports for the Subject Property and surrounding area, there is a potential radon hazard that could affect the health and safety of occupants or conflict with the intended utilization of the Subject Property. With the proper mitigation measures and protocols discussed above, the Subject Property will be unlikely to contain hazardous materials, contamination, toxic chemicals and gases, and radioactive substances, where a hazard could affect the health and safety of occupants or conflict with the intended utilization of the Subject Property. (<i>See Contamination and Toxic Substances section.</i>)</p> <p>Site development will temporarily increase man-made hazards and noise during construction. In order to mitigate hazards during construction, fencing will be erected around the site to secure the area and keep the general public from the physical hazards. Designated entrance and exit points will be used in order to control traffic and allow safe access to public roads.</p> <p>Construction-related activities (land clearing, grading) can cause short-term exposures to sensitive receptors from particulate matter (PM 10) such as fugitive dust and emissions from construction equipment. Mitigation measures for dust control will be implemented to reduce potential impacts to air quality during construction. The proposed project will conform to NC Air Quality Management regulations during and following construction. The contractor will use BMPs to reduce fugitive dust generation and diesel emissions. BMPs can include wetting the grading site during dry conditions; maintaining vegetative cover as much as possible around cleared areas; a water truck to stabilize potential dust during high traffic times or high wind days on heavily-travelled access roads and storage areas; and construction vehicles and machinery operating at reduced speeds to reduce soil disturbance and fugitive dust potential. BMPs to mitigate the generation of emissions during construction include limiting use of vehicles and other machinery to construction hours only and removal once construction is completed. (<i>See Clean Air Act section.</i>)</p> <p>A HUD Noise Assessment completed for the proposed project resulted in Combined DNLs for all NALs within the HUD Acceptable noise level range (65 dB or less) for Current (2023) and Projected 2045 (20-year) traffic projections. No further</p>

		<p>action is required. Short-term construction work will adhere to local noise control standards/regulations. Construction noise will be limited to daytime hours, Monday through Friday, except in emergency situations. Construction equipment will be required to meet local sound control requirements. (<i>See Noise Abatement and Control section.</i>)</p> <p>The proposed project activities will be completed in accordance with all applicable federal, State, and local laws, regulations, and permit requirements and conditions. Therefore, the proposed project is not expected to generate any long-term adverse hazards, nuisances or noise impacts.</p> <p><i>See Attachment 7: Contamination and Toxics Documentation, Attachment 13: HUD Noise Assessment, and Attachment 28: State Environmental Clearinghouse Comments.</i></p>
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Environmental Assessment Factor	Impact Code	Impact Evaluation
SOCIOECONOMIC		
Employment and Income Patterns	1	<p>The proposed project will provide affordable housing to low- and middle-income families in a community lacking affordable housing options. The U.S. Census Bureau states the population of the proposed project's census tract as being 3,614 with a 35.5% employment rate. New jobs will be created during operations and temporary construction as a result of this development. The residents will provide an employee and customer base to local businesses. The proposed project will not adversely impact traffic during construction or operation. The proposed project's close proximity to several businesses within the community presents many potential employment opportunities for residents upon the completion of the development. The Subject Property is located in the City of Laurinburg approximately one mile from numerous retail businesses, banks, restaurants, and service providers. Also, the Subject Property is serviced by an on-call public transportation service provided through Scotland County to allow residents easy access to businesses in the community and surrounding areas. Therefore, the proposed project might have a minor beneficial impact on the employment and income patterns for the area.</p> <p>Attachment 18: U.S. Census Bureau Tract Report and Data.</p>
Demographic Character Changes, Displacement	2	<p>The Subject Property is vacant land with no structures, so there will be no occupant displacement. Per the Phase I ESA, there were no residents, tenants, or squatters present at the time of the site reconnaissance visit (Attachment 7). The proposed project will not deny any population within the local community potential for growth. The proposed development of the Subject Property is compatible with the surrounding area and no demographic character changes are anticipated in connection</p>

		<p>with the development. Residents are expected to come from within the community and should not contribute to demographic character changes. The U.S. Census Bureau Tract Report's demographics data for the area is included in Attachment 18. The proposed project will not act as an isolation feature within the local area or community. Local institutions (churches, community centers, senior centers, etc.) will not be adversely impacted by the development. The proposed project will not significantly impact the demographics of the local community. Therefore, the proposed project is not expected to have an adverse impact on demographic character or displacement at the Subject Property or in the community.</p> <p><i>See Attachment 18: U.S. Census Bureau Tract Report and Data.</i></p>
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Environmental Assessment Factor	Impact Code	Impact Evaluation
COMMUNITY FACILITIES AND SERVICES		
Educational and Cultural Facilities	3	<p>The schools that will serve the proposed project include: South Johnson Elementary School, Carver Middle School, and Scotland High School. According to a Public Education Certification dated December 6, 2024 by Dr. Adell Baldwin, Superintendent of Scotland County Public Schools, the proposed project is located in the Scotland County Public School District and will not adversely affect the schools serving the project. However, Dr. Baldwin indicated that Carver Middle School could be adversely affected by the proposed project because there are already seven similar housing developments in its district. Further, Carver Middle School is a Low-Performing School based on the NC Department of Education School Performance Grading System. The proposed project is targeting those in need of affordable housing from the region. Most occupants are expected to come from within the existing Laurinburg population, so a significant change in school enrollment is not expected. In addition, the increased tax base from the proposed development should provide extra funding for the community. Therefore, the proposed project is expected to have minimal impact on educational facilities.</p> <p>There are numerous cultural facilities and museums in the region including the Indian Museum of the Carolinas, Rural Heritage Center, Scottish Heritage Center, and Morris Morgan Theater. There are many places of worship in the area including Calvary Baptist Church, East Laurinburg Pentecostal, First Baptist Church, and Solid Rock Baptist Church. The proposed project is expected to have minimal impacts on cultural facilities.</p> <p>Attachment 19: Public Education Certification Form, Correspondence, and Educational and Cultural Facilities Maps.</p>

		Search Results. More information on Scotland County Schools can be found at Scotland County Schools / Homepage .
Commercial Facilities	1	<p>The Subject Property is located approximately one mile east of numerous retail businesses, banks, restaurants, and service providers. These commercial facilities include the Piggly Wiggly, Food Lion, Carlie C's IGA, Dollar General, Family Dollar, Wells Fargo Bank, First Bank, PNC Bank, Walmart Supercenter, and automotive parts stores. The development will increase the customer base for these local businesses. Additionally, the development should increase the employee availability to the local area. Thus, the proposed project should have a beneficial effect on local commercial facilities.</p> <p>Attachment 20: Commercial Facilities Maps Search Results.</p>
Health Care and Social Services	2	<p>The Subject Property is located within close proximity to local health care and social services providers. According to a Health Care Certification dated December 2, 2024, Ms. Amanda Deaver, Health Director of the Scotland County Health Department, noted there is adequate and appropriate health services available that will not be adversely affected by this proposed project. Ms. Deaver noted that "Scotland County has more than 70 Medical Providers across multiple specialties to provide medical care to the residents. Scotland County Health Department also offers many services through the clinic to include Maternity Care, Family Planning and STD clinic." Additional nearby healthcare provider options include the Scotland Memorial Hospital, Carolina's Medical and Wellness Clinic, Scotland Health Care System, Scotland Medical Center, Highland Primary Care, Maxton Medical Center, and Southeastern Medical Clinic Maxton. Dentists in the area include Watson Family Dentistry, Village Family Dental, Aspen Dental, and Scotland Community Health.</p> <p>According to the Scotland County Department of Social Services' Director, Ms. Kimberly McRae, there are adequate and appropriate social services available that will not be adversely affected by the proposed project. Ms. McRae noted that the social organization, Church Community Services, provides resources for the area. Additional nearby social services organizations include the Scotland Youth Center, Scotland County Veterans Service, and United Way of Scotland County.</p> <p>It is anticipated that many residents of the proposed project will come from within the community and are potentially already served by the above-referenced health care and social services. Therefore, there should only be a negligible increase in demand for services.</p>

		Attachment 21: Health Services Certification Form, Social Services Certification Form, Correspondence, and Health Care and Social Services Maps Search Results.
Solid Waste Disposal / Recycling	2	<p>According to the City of Laurinburg's Solid Waste Manager, Ms. Angie Foster, solid waste disposal for the proposed project will not adversely affect landfill capacity. Municipal solid waste removal and recycling services are available to the Subject Property through the City's Sanitation Department. According to Ms. Foster, all multi-unit housing located within the City limits are required to get dumpster service from the City's Sanitation Department with 4, 6, and 8 yard dumpsters available for rent or purchase.</p> <p>During the construction phase of the proposed project, wastes generated are expected to consist of primarily packaging from construction materials, and mixed municipal wastes generated daily by site workers. These materials will be disposed of in designated receptacles and transported to permitted landfills accepting these types of wastes by a licensed waste hauler. All construction debris must be removed and appropriately disposed of by the contractor in legally compliant landfills.</p> <p>The NC DEQ DWM, Solid Waste Section (Section) stated in its comments that "it is recommended that during any land clearing, demolition, and construction, the NC Department of Public Safety [project sponsor] and/or its contractors would make every feasible effort to minimize the generation of waste, to recycle materials for which viable markets exist, and to use recycled products and materials in the development of this project where suitable." Any waste generated by and of the projects that cannot be beneficially reused or recycled must be disposed of at a solid waste management facility permitted by the Division. The Section strongly recommends that the project sponsor require all contractors to provide proof of proper disposal for all generated waste to permitted facilities. In addition, any open burning associated with proposed project must be in compliance with 15A NCAC 2D.1900. Therefore, the proposed project is not anticipated to have an adverse impact on solid waste disposal and recycling in the area.</p> <p>Attachment 22: Solid Waste Removal Certification Form and Correspondence and Attachment 28: State Environmental Clearinghouse Comments. <i>See also, https://www.laurinburg.org/public-works/.</i></p>
Waste Water / Sanitary Sewers	2	<p>According to the City of Laurinburg's Public Works Director, the proposed project has access to the City of Laurinburg's public sewer infrastructure which includes a gravity flow system and sewer lift station. The closest sewer main connection is an 8-inch sewer main located approximately seven feet deep in the center of Corona Avenue.</p>

		<p>A permit to construct and operate sewer extensions involving gravity sewers, pump stations and force mains discharging into a sewer collection system might be required. All applicable federal, State and local permits will be obtained for the proposed project prior to construction and activities will comply with their requirements and conditions. Therefore, the proposed project is not anticipated to have an adverse impact on waste water/ sanitary sewers and capacity onsite and in the surrounding area.</p> <p>Attachment 23: Public Sewer Certification Form and Correspondence.</p>
Water Supply	2	<p>According to the City of Laurinburg's Public Works Director, public water is currently available and adequate to serve the proposed project. The closest water main connections include 8-inch and 10-inch water mains at curb line on Corona Avenue.</p> <p>Water supply wells were not identified at the Subject Property (Attachment 7). If any wells are discovered, then well abandonment must be completed in accordance with Title 15A. Subchapter 2C.0100. Plans and specifications for the construction, expansion, or alteration of a public water system must be approved by the Division of Water Resources (DWR)/ Public Water Supply (PWS) Section prior to the award of a contract or the initiation of construction as per 15A NCAC 18C.0300, et. seq. In addition, all public water supply systems must comply with State and federal drinking water monitoring requirements. Further, any relocation of existing water lines will require plans to be submitted to the DWR/ PWS Section prior to construction. All applicable federal, State and local permits will be obtained for the proposed project prior to construction and activities will comply with their requirements and conditions. Therefore, the proposed project is not anticipated to have an adverse impact on water supply quality or capacity onsite and in the surrounding area.</p> <p>Attachment 24: Public Water Certification Form and Correspondence.</p>
Public Safety - Police, Fire and Emergency Medical	2	<p>According to the City of Laurinburg's Fire Marshal/ Inspector, fire protection services are available and adequate for the proposed project. The estimated average response time of 4 minutes to the Subject Property falls within the average community response time of 5 minutes. Fire protection services will be provided by the City of Laurinburg's Fire Department and North Scotland Volunteer Fire Department.</p> <p>On September 25th and December 2nd, 2024, the Scotland County Sheriff's Office was contacted to assess the impact that the proposed project will have on local law enforcement services. A response has not been received. If a response is received, then it will be appended to the ERR. On September 25th, December 2nd</p>

		<p>and 3rd, 2024, Scotland County Emergency Medical Services was contacted to assess the impact that the proposed project will have on local emergency medical services. A response has not been received. If a response is received, then it will be appended to the ERR.</p> <p>It is anticipated that many residents of the proposed project will come from within the community and there will be a negligible increased demand for public safety services. Therefore, the proposed project is not anticipated to have an adverse impact on the public safety services in the surrounding area.</p> <p>Attachment 25: Fire Protection Certification Form, Correspondence, and Police and EMS Maps Search Results.</p>
Parks, Open Space and Recreation	2	<p>According to a Parks and Recreation Certification completed by Scotland County Manager, Ms. April Snead, there are adequate and appropriate parks and recreational facilities available that will not be adversely affected by the proposed project. The southern 4.69-acre portion of the Subject Property is identified as Lincoln Park and contains an open gazebo, playground, track, and sports court which will be removed for the proposed development (Attachment 1). However, the proposed project will include a gazebo, playground, and open green space for residents. The Subject Property is located behind the I. Ellis Johnson Community Center (former school) which offers senior programs, activities, open gym, etc. according to the County Manager. Many parks, organized sports parks, open spaces, trails, and recreational facilities are situated within a reasonable distance from the Subject Property in the City and surrounding area. These facilities include Jaycee Park, Market Park, Hammond Park, Dragon Park, Laurinburg Dog Park, Presbyterian Park, and Washington Park. It is anticipated that many residents of the proposed project will come from within the community and there will be a negligible increased demand for resources. Thus, no adverse impact is anticipated by the proposed project on parks, open spaces, and recreation areas.</p> <p>Attachment 26: Parks and Recreation Certification Form, Correspondence, and Maps Search Results.</p>
Transportation and Accessibility	2	<p>The Subject Property is located in the City of Laurinburg approximately one mile from numerous retail businesses, banks, restaurants, and service providers. The Subject Property is serviced by an on-call public transportation service provided through Scotland County to allow residents easy access to destinations throughout the community and surrounding areas. According to the Public Transportation Certification completed by Scotland County Area Transit System (SCATS) Director, Ms. Kimberly McRae, public transit via bus is free within Scotland County. Riders must register for services by calling the office. All trips are required to be booked at minimum two business days</p>

	<p>before date of trip. Information on SCATS is available at https://www.scotlandcounty.org/435/Transportation.</p> <p>On September 25th and December 2nd, 2024, Scotland County's Transportation Services Department was contacted to assess the impact that the proposed project will have on transportation services and nearby public roadways.</p> <p>According to the Transportation Certification completed by NC DOT District Engineer, Mr. Dagoberto Juarez Pozos, nearby public roadways will not be adversely affected by the proposed project. In addition, he noted that McGirts Bridge Road is a State road (SR 1433) and any proposed changes to the dimensions or number of driveway connections to SR 1433 will need to be reviewed and approved by NC DOT. He also confirmed that Corona Avenue is not a State road. The Grant Recipient will coordinate with NC DOT while obtaining required permit(s) to ensure that the development will not be adversely affected by roadway improvements in current and planned updates to the State Transportation Improvement Program (STIP). Thus, no adverse impact is anticipated by the proposed project on transportation and accessibility.</p> <p>Attachment 27: Transportation Certification Form, Public Transportation Certification Form, and Correspondence.</p>
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Environmental Assessment Factor	Impact Code	Impact Evaluation
NATURAL FEATURES		
Unique Natural Features, Water Resources	2	<p>The NC NHP database query report identified no records for rare species, important natural communities, or natural areas, within the proposed project boundary (Attachment 8). According to the NC NHP database query results, there is one recorded managed area, Scotland County Open Space, at the Subject Property. The southern 4.69-acre portion of the Subject Property is identified as Lincoln Park and currently contains an open gazebo, playground, track, and sports court which will be removed for the proposed development (Attachment 1). According to a Parks and Recreation Certification completed by Scotland County Manager, Ms. April Snead, there are adequate and appropriate parks and recreational facilities available that will not be adversely affected by the proposed project. The proposed project will construct a gazebo, playground, and open green space for residents. There are an additional four managed areas within a one-mile radius, City of Laurinburg Market Park, two City of Laurinburg Open Spaces, and the Scotland County Jaycee Park. There are many parks, organized sports parks, open spaces, trails, and recreation facilities are situated within a reasonable distance in the City and surrounding area. Based on the County Manager's Parks and Recreation Certification, type of managed areas, and</p>

		<p>distance from the Subject Property, the proposed project is not anticipated to have an adverse impact on these four managed areas.</p> <p>Based on the site visits, there are no unique natural features, wetlands or water resources identified onsite or that would be affected by the proposed project (Attachment 1A). According to NC DEQ, an E&SCP must be submitted for approval at least 30 days prior to initiating land-disturbing activity that satisfy the one (1) acre and/or Construction Stormwater NCG01 Common Plan of Development regulatory threshold. The NPDES Construction Stormwater General Permit (NCG010000) Certificate of Coverage shall be obtained prior to initiating land-disturbing activity. The proposed project will likely have a stormwater permit and a SWPPP. BMPs for erosion and sedimentation control such as silt fencing will be utilized during construction, green open spaces incorporated, and native plants used in landscaping and site restoration.</p> <p>The proposed project activities will be completed in accordance with all applicable federal, State, and local laws, regulations, and permit requirements and conditions. Permits required for this proposed project shall be obtained before commencing work and appended to the ERR when received from the permitting agencies. Therefore, the proposed project is not expected to adversely impact unique natural features or water resources.</p> <p>See Attachment 8: Endangered Species Documentation, Attachment 1A: Site Visit Photographs, Attachment 26: Parks and Recreation Certification, and Attachment 28: State Environmental Clearinghouse Comments.</p>
Vegetation, Wildlife	2	<p>For this proposed project, the USFWS Raleigh Ecological Services (ES) Field Office's (FO) online 10-step project review process was completed and "no effect" determinations for proposed/ listed species and/ or proposed/ designated critical habitat, except a "may affect not likely to adversely affect" determination for the Tri-colored Bat, and a "no Eagle Act permit required" determination for eagles. The Self-certification Letter and 10-step Project Review Package were submitted to the USFWS Raleigh ES FO on December 10, 2024. Ms. Kathy Matthews, USFWS Raleigh ES FO staff person, responded that the "Service agrees that this project is not likely to adversely affect any listed species." The Developer agrees to follow USFWS lighting guidelines. According to Ms. Matthews, "based on the commitment to lighting measures and the statement that no trees are proposed for removal the Service believes that the project is not likely to adversely affect the tricolored bat." Please remember that obligations under section 7 consultation must be reconsidered if: (1) new information reveals impacts of this identified action that may affect listed species or</p>

		<p>critical habitat in a manner not previously considered; (2) this action is subsequently modified in a manner that was not considered in this review; or, (3) a new species is listed or critical habitat determined that may be affected by the identified action.”</p> <p>According to NC DEQ, an E&SCP must be submitted for approval at least 30 days prior to initiating land-disturbing activity that satisfy the one (1) acre and/or Construction Stormwater NCG01 Common Plan of Development regulatory threshold. The NPDES Construction Stormwater General Permit (NCG010000) Certificate of Coverage shall be obtained prior to initiating land-disturbing activity. The proposed project will likely have a stormwater permit and a SWPPP. BMPs for erosion and sedimentation control such as silt fencing will be utilized during construction, green open spaces incorporated, and native plants used in landscaping and site restoration.</p> <p>The proposed project activities will be completed in accordance with all applicable federal, State, and local laws, regulations, and permit requirements and conditions. Permits required for this proposed project shall be obtained before commencing work and appended to the ERR when received from the permitting agencies. Therefore, the proposed project is not expected to adversely impact vegetation or wildlife.</p> <p><i>See Attachment 8: Endangered Species Documentation.</i></p>
Other Factors	2	<p>SCAP is a 501(c)(3) nonprofit agency whose mission is to improve and empower the lives of the people in the community since its incorporation in 1964. CDBG-MIT funds will be used for new construction of the 55-unit development with an emphasis on storm readiness, storm resiliency, and energy efficiency. Hurricane resiliency for this proposed project is a critical need in this community. ICC-700 National Green Building Standard Green Resilience; ENERGY STAR (Certified Homes or Multi-family High-Rise); Building Materials and Construction: Masonry and cementitious planks will be utilized making the building resilient to strong winds and impact. In addition, reinforced roofing, windows, and doors will minimize damage from flying debris and heavy rainfall.</p>

Environmental Assessment Factor	Impact Code	Impact Evaluation
ENERGY		
Energy Efficiency	2	<p>The proposed project will cause an increase in energy use as compared to its current use. However, the proposed project will be connected to an existing grid and will not require additional infrastructure. Energy-efficient building materials are to be utilized during construction, and upon completion, the apartments will be equipped with high efficiency lighting and appliances. The proposed project will meet ICC-700 National</p>

		Green Building Standard Green Resilience and ENERGY STAR (Certified Homes or Multi-family High-Rise) requirements. Therefore, the proposed project will have minimal impact on energy consumption compared to similar developments not requiring green building standards. Thus, the proposed project is not anticipated to have a significant adverse effect on energy consumption.
--	--	--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

Additional Studies Performed:

- *Phase I ESA*, I Ellis Johnson Multi-Family Housing Project, by LL&J, on July 15, 2025.
- *Phase I ESA*, I Ellis Johnson Multi-Family Housing Project, by LL&J, on October 29, 2024.

Field Inspection (Date and completed by):

- Miranda Horne, Project Manager, LL&J, on July 14, 2025.
- Miranda Horne, Project Manager, and Jonathan Locklear, Vice President, LL&J, on May 1, 2024.

List of Sources, Agencies and Persons Consulted:

- Fact Sheet #D1: Siting HUD-Assisted Projects in Accident Potential Zones, at https://www.hud.gov/sites/documents/DOC_14225.PDF
- US EPA NEPA Assist Tool, at <https://nepassisttool.epa.gov/nepassist/nepamap.aspx>
- Airport Data and Information Portal (ADIP), at <https://adip.faa.gov/agis/public/#/public>
- Federal Aviation Administration (FAA) Circle Search for Airports, at <https://oeaaa.faa.gov/oeaaa/external/searchAction.jsp?action=showCircleSearchAirportsForm>
- USFWS CBRS Mapper, at <https://www.fws.gov/CBRA/Maps/Mapper.html>
- FEMA Map Service Center, at <https://msc.fema.gov/portal/home> and <https://hazards.fema.gov/femaportal/prelimdownload/searchResult.action>
- NC Flood Risk Information System (FRIS), at <https://fris.nc.gov/>
- NFIP Community Status Book, at <https://www.fema.gov/flood-insurance/work-with-nfip/community-status-book>
- Federal Flood Standard Support Tool, at <https://floodstandard.climate.gov/tool>
- U.S. EPA Green Book, at https://www3.epa.gov/airquality/greenbook/anayo_nc.html
- EPA, Recent Updates: Federal Register Notices Published or Effective, <https://www3.epa.gov/airquality/greenbook/adden.html>
- North Carolina Division of Coastal Management, at <https://www.deq.nc.gov/about/divisions/division-coastal-management>

- NC DEQ's DWM Site Locator Tool, at <https://ncdenr.maps.arcgis.com/apps/webappviewer/index.html?id=7dd59be2750b40bebebf49fc383f688>
- NC DEQ's DWM Online Documents and Environmental Data website, at <https://deq.nc.gov/about/divisions/waste-management/waste-management-online-documents-and-environmental-data>
- CDC National Environmental Public Health Tracking Network (Data Explorer), at <https://ephtracking.cdc.gov/DataExplorer/>
- NC Dept. HHS Radon Testing and FAQs, at <https://radon.ncdhhs.gov/Testing.html> and <https://radon.ncdhhs.gov/FAQ.html>
- NC NHP
- USFWS Raleigh FO
- USFWS Information for Planning and Consultation (IPaC) , at <https://ipac.ecosphere.fws.gov/>
- USFWS Critical Habitat Mapper, at <https://ecos.fws.gov/ecp/report/table/critical-habitat.html>
- USFWS Eagle Management website, at <https://www.fws.gov/program/eagle-management/eagle-incident-disturbance-and-nest-take-permits>
- USFWS Migratory Bird Program website, at <https://www.fws.gov/library/collections/avoiding-and-minimizing-incident-take-migratory-birds>
- NC NHP Data Explorer Tool, at <https://ncnhde.natureserve.org/>
- HUD Acceptable Separation Distance Calculator, at <https://www.hudexchange.info/environmental-review/asd-calculator/>
- ASTM Standard E1527-21, Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process.
- U.S. Department of Agriculture – Natural Resources Conservation Service (USDA-NRCS) Web Soil Survey, at <https://websoilsurvey.sc.egov.usda.gov/App/HomePage.htm>
- North Carolina Department of Natural and Cultural Resources – State Historic Preservation Office, at <https://www.ncdcr.gov/old-state-historic-preservation-office>
- NC SHPO and NC HPOWEB, at <https://nc.maps.arcgis.com/home/item.html?id=79ea671ebdcc45639f0860257d5f5ed7>
- Natural Register of Historic Places Mapper, at <https://www.nps.gov/maps/full.html?mapId=7ad17cc9-b808-4ff8-a2f9-a99909164466>
- HUD Tribal Directory Assessment Tool, at <https://egis.hud.gov/tdat/>
- Catawba Indian Nation
- North Carolina Department of Transportation (NC DOT) Traffic Counts, at <https://connect.ncdot.gov/resources/State-Mapping/pages/traffic-volume-maps.aspx>
- Federal Railroad Administration (FRA) Safety Map, at <https://fragis.fra.dot.gov/gisfrasafety/>
- HUD Day/Night Noise Level Calculator, at <https://www.hudexchange.info/programs/environmental-review/dnl-calculator>

- EPA Sole Source Aquifer Map, at <https://epa.maps.arcgis.com/apps/webappviewer/index.html?id=9ebb047ba3ec41ada1877155fe31356b>
- USFWS NWI Mapper, at <https://www.fws.gov/program/national-wetlands-inventory/wetlands-mapper>
- National Park Service, Nationwide Rivers Inventory, at <https://www.nps.gov/maps/full.html?mapId=8adbe798-0d7e-40fb-bd48-225513d64977>
- National Wild and Scenic Rivers System, at <https://www.rivers.gov/>
- North Carolina State Parks, at <https://www.ncparks.gov/find-a-park>
- NC State Environmental Clearinghouse, [Environmental Bulletin - State Clearinghouse](#)
- City of Laurinburg, at [City of Laurinburg NC - Welcome to our charming and historic City!](#)
- Scotland County, at [Scotland County, NC | Official Website](#)
- Scotland County Comprehensive Land Use Plan 2025, at <https://www.scotlandcounty.org/DocumentCenter/View/4523/Scotland-County-Comprehensive-Land-Use-Plan-?bidId=>
- Scotland County SCATS, at [Transportation | Scotland County, NC](#)
- Downtown Laurinburg website, at <https://downtown.laurinburg.org/>

List of Local Agencies Consulted:

- Zoning Certification, Mac McInnis, City Zoning Administrator, Sent December 5, 2024.
- Health Services Certification, Amanda Deaver, Health Director, Sent September 25, 2024.
- Social Services Certification, Kimberly McRae, DSS Director, Sent September 25, 2024.
- Solid Waste Removal Certification, Angie Foster, Solid Waste Manager, Sent September 25, 2024.
- Public Sewer Certification, Stacey McQuage, Public Works Director, Sent September 25, 2024.
- Public Water Certification, Stacey McQuage, Public Works Director, Sent September 25, 2024.
- Transportation Certification, Dagoberto Juarez Pozos, NC DOT District Engineer, Sent December 5, 2024.
- Public Transportation Certification, Kimberly McRae, SCATS Director, Sent September 25, 2024.
- Fire Protection Certification, Donald Locklear, Fire Inspector, Sent December 3, 2024.
- Parks & Recreation Certification, April Snead, County Manager, Sent September 25, 2024.

List of Permits To Be Obtained (later identified permits will be added to the ERR):

All applicable federal, State and local permits will be identified and obtained prior to starting construction. Permits that might be required include, but are not limited, to:

- NC DEQ NPDES Construction Stormwater Permit (NCG010000)
- NC DEQ DEMLR E&SC Permit
- NC DEQ DWR Public Water Supply Section - Water Extension Permit
- NC DEQ Sewer Extension Permit
- NC DOT Driveway Permit
- Zoning Approval
- Site Plan Approval
- Building Permit

Public Outreach [24 CFR 50.23 & 58.43]:

- State Environmental Clearinghouse Review of Draft EA, June 4, 2025 through July 23, 2025.
- Multiple Scotland County Public Meetings.

Cumulative Impact Analysis [24 CFR 58.32]:

The proposed project and its potential environmental impacts were evaluated in accordance with 24 CFR 58 requirements to determine whether it meets federal, State, and local environmental standards. This evaluation included a review of cumulative impacts on the environment resulting from the proposed project's incremental impacts combined with other past, present, and reasonably foreseeable future actions undertaken by any party. The proposed project does not negatively impact the surrounding environment or Subject Property and will not have an adverse environmental or health effect on end users with the implementation of proper mitigation measures outlined in this environmental review. The Subject Property was found to be ideal for much needed multi-family affordable housing with minimal environmental impacts and close proximity to community services and amenities. The benefits of this proposed project to the City of Laurinburg, Scotland County, and low- and middle-income families cannot be understated.

Alternatives [24 CFR 58.40(e)]:

There are two main alternatives to the proposed project, selection of a different site location or the "No Action" Alternative. The Subject Property is owned by the County and will be donated to SCAP for the housing project. No other sites were identified as cost-effective due to this land donation. Additionally, the proposed project's close proximity to amenities and downtown Laurinburg, appropriate acreage, and nearby existing infrastructure made it ideal for development overall. Therefore, the Subject Property was determined to be the most suitable location for the proposed project.

No Action Alternative [24 CFR 58.40(e)]:

With the “No Action” Alternative, affordable housing would not be provided for low- and middle-income families in the local community. Scotland County would need to find other options to address the shortage in affordable housing inventory exacerbated by the effects of hurricanes that recently damaged or destroyed hundreds of homes in North Carolina. In the absence of the proposed project, the Subject Property would not generate additional tax revenue or create affordable housing for residents, which are of greater benefit to the community than leaving the property in its current state. Thus, the “No Action” Alternative is not feasible in relation to the desired objective of creating affordable housing options in Scotland County.

Summary of Findings and Conclusions:

The preceding Statutory Checklist and Environmental Assessment Checklist, and the discussion below, document that the proposed project work will comply with regulations in 24 CFR part 58 and that there are no direct or cumulative adverse environmental impacts anticipated as a result of the proposed project.

Mitigation Measures and Conditions:

Summarize below all mitigation measures adopted by the Responsible Entity to reduce, avoid, or eliminate adverse environmental impacts and to avoid non-compliance or non-conformance with the above-listed authorities and factors. These measures/conditions must be incorporated into project contracts, development agreements, and other relevant documents. The staff responsible for implementing and monitoring mitigation measures should be clearly identified in the mitigation plan.

Any change to the approved scope of work will require re-evaluation by the Certifying Officer for compliance with NEPA and other laws and Executive Orders.

This review does not address all federal, state, and local requirements. Acceptance of federal funding requires recipient to comply with all federal, state and local laws. Failure to obtain all appropriate federal, state, and local environmental permits and clearances may jeopardize federal funding. Guidelines, recommendations, and requirements identified during agency and the State Environmental Clearinghouse inter-agency review shall be considered and required, where applicable.

Law, Authority, or Factor	Mitigation Measure
<p>Clean Air</p> <p>Clean Air Act, as amended, particularly section 176(c) & (d); 40 CFR Parts 6, 51, 93</p>	<p>Construction-related activities (land clearing, grading) can cause short-term exposures to sensitive receptors from particulate matter (PM 10) such as fugitive dust and emissions from construction equipment. Mitigation measures for dust control will be implemented to reduce potential impacts to air quality during construction. The proposed project will conform to NC Air Quality Management regulations during and following construction. The contractor will use BMPs to reduce fugitive dust generation and diesel emissions. BMPs can include wetting the grading site during dry conditions; maintaining vegetative cover as much as possible around cleared areas; a water truck to stabilize potential dust during high traffic times or high wind days on heavily-travelled access roads and storage areas; and construction vehicles and machinery operating at reduced speeds to reduce soil disturbance and fugitive dust potential. BMPs to mitigate the generation of emissions during construction include limiting use of vehicles and other machinery to construction hours only and removal once construction is completed.</p>
<p>Contamination and Toxic Substances</p> <p>24 CFR Part 50.3(i) & 58.5(i)(2)</p>	<p>Currently, there is insufficient radon testing data available for Scotland County. The Developer has the option to incorporate a radon venting system into the proposed project's designs for construction. After construction is completed, radon testing will be performed using a HUD-approved method such as ANSI/AARST standards or Do-It-Yourself (DIY) kits, preferably devices approved by the National Radon Proficiency Program (NRPP), National Radon Safety Board (NRSB), or a local authority. If the radon levels are determined to be <i>under</i> 4 pCi/L, then no further action is required. All radon test results must be submitted to NCORR. If the radon levels are determined to be <i>at or above</i> 4 pCi/L, then a radon mitigation plan must be documented, implemented, and submitted to NCORR. The mitigation plan must: identify the radon level; consider the risk to occupant's health; describe the radon reduction system that will be installed; establish an ongoing maintenance plan (to ensure the system is operating as intended); establish a reasonable timeframe for implementation; and require post-installation testing (by a licensed radon professional, where feasible). NCORR's ERR must be updated with the radon testing results and any required mitigation when complete. HUD strongly recommends that buildings be tested prior to occupancy. Documentation to submit to NCORR may include ANSI/AARST testing results, mitigation reports and/or plans, emails of test results from DIY test kits, etc. The HUD Radon Policy does not preempt or override any existing federal, State, or local requirements regarding residential radon testing and mitigation that may be more strict or comprehensive than the policy notice.</p>

	<p>With the proper mitigation measures and protocols discussed above, the Subject Property will be unlikely to contain hazardous materials, contamination, toxic chemicals and gases, and radioactive substances, where a hazard could affect the health and safety of occupants or conflict with the intended utilization of the Subject Property.</p>
<p>Endangered Species</p> <p>Endangered Species Act of 1973, particularly section 7; 50 CFR Part 402</p>	<p>The Developer agrees to incorporate the USFWS lighting mitigation measures in the IPaC Determination Key. <i>These mitigation measures include: “1) The use of downward-facing, full cut-off lens lights (with same intensity or less for replacement lighting) when installing new or replacing existing permanent lights; 2) Or, if using the Backlight, Uplight, Glare (BUG) system developed by the Illuminating Engineering Society, all three ratings (backlight, uplight, and glare) should be as close to zero as is possible, with a priority of "uplight" of 0; and 3) Temporary lighting should be directed away from suitable NLEB or TCB roosting habitat.”</i> According to Ms. Matthews, “based on the commitment to lighting measures and the statement that no trees are proposed for removal the Service believes that the project is not likely to adversely affect the tricolored bat.” Please remember that obligations under section 7 consultation must be reconsidered if: (1) new information reveals impacts of this identified action that may affect listed species or critical habitat in a manner not previously considered; (2) this action is subsequently modified in a manner that was not considered in this review; or, (3) a new species is listed or critical habitat determined that may be affected by the identified action.”</p>
<p>Noise Abatement and Control</p> <p>Noise Control Act of 1972, as amended by the Quiet Communities Act of 1978; 24 CFR Part 51 Subpart B</p>	<p>Short-term construction work will adhere to local noise control standards/regulations. Construction noise will be limited to daytime hours, Monday through Friday, except in emergency situations. Construction equipment will be required to meet local sound control requirements.</p>
<p>Conformance with Plans / Compatible Land Use and Zoning / Scale and Urban Design</p>	<p>According to the City Zoning Administrator, Mr. Mac McInnis, the Subject Property is currently zoned Office Institutional (OI). <i>The proposed project requires that the City Council issue a Special Use Permit and it meets the Article 7 Supplemental Regulations (Attachment 17). These Supplemental Regulations include compliance with the R-6 district’s minimum lot area, width, and setback requirements and a minimum 20-foot spacing between multi-family residential structures. The proposed project must meet these requirements as a mitigation measure in order to proceed with development. Prior to construction, the Developer will obtain a Special Use Permit and incorporate the Article 7 Supplemental Regulations to allow the proposed project’s characteristics in accordance with all applicable laws and regulations. NCORR shall be kept promptly informed of</i></p>

	<i>zoning changes and approvals and provided with all necessary supporting documentation.</i> The proposed project will be compatible with local land use and zoning regulations and plans with these mitigation measures.
--	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

Determination:

☒ **Finding of No Significant Impact** [24 CFR 58.40(g)(1)]

The project will not result in a significant impact on the quality of the human environment.

☐ **Finding of Significant Impact** [24 CFR 58.40(g)(2)]

The project may significantly affect the quality of the human environment.

Preparer Signature: Andrea Gievers Date: 8/7/25

Name/Title/Organization: Andrea Gievers, Environmental SME, NCORR

Certifying Officer Signature: Tracey Colores Date: 8/7/2025
DocuSigned by: 28F62AF3656F479...

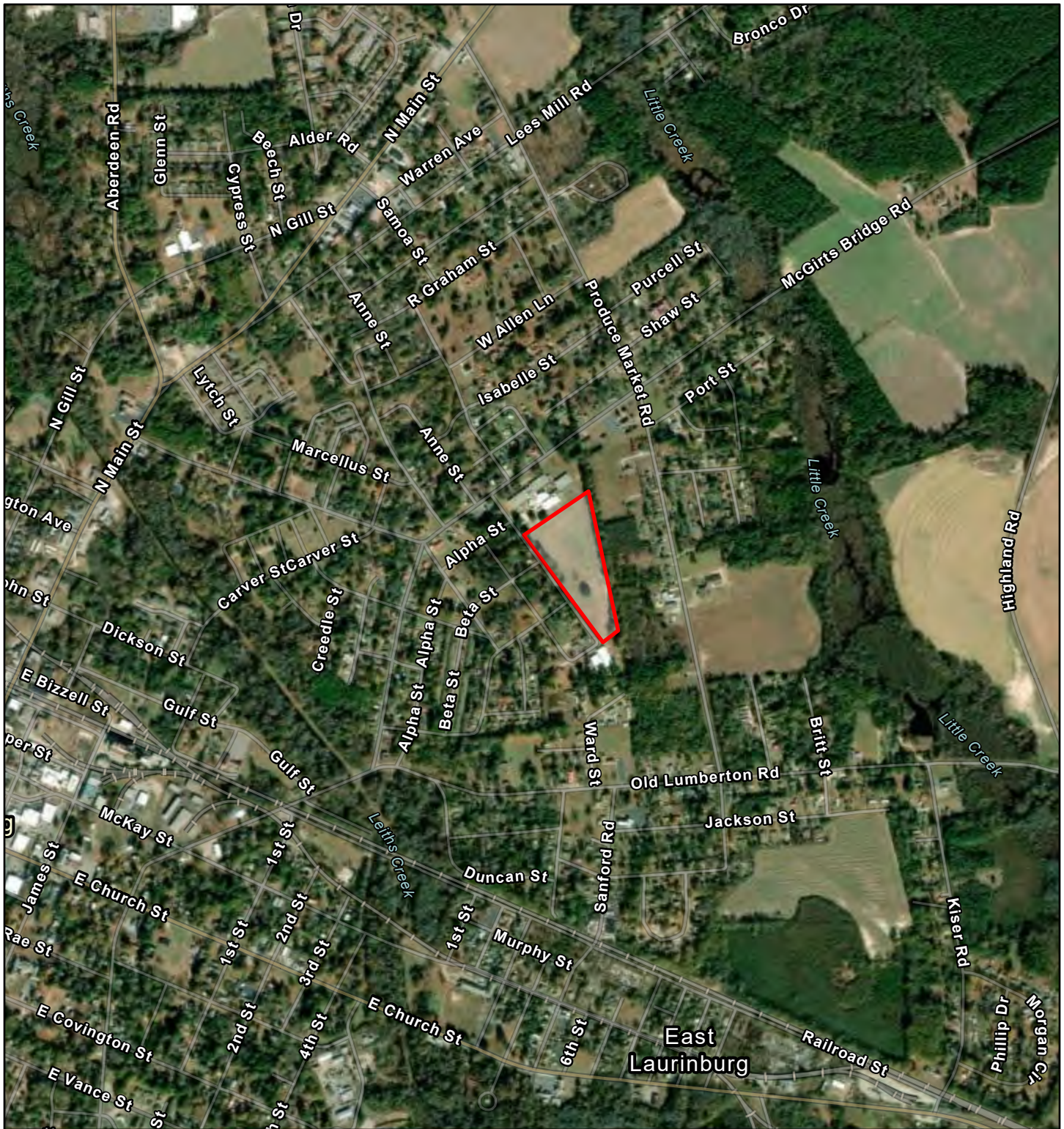
Name/Title: Tracey Colores, Community Development Director, NCORR

This original, signed document and related supporting material must be retained on file by the Responsible Entity in an Environmental Review Record (ERR) for the activity/project (ref: 24 CFR Part 58.38) and in accordance with recordkeeping requirements for the HUD program(s).

ATTACHMENT 1:

Proposed Project Location Maps and Preliminary Site Plans

I. Ellis Johnson Multi-Family Housing - Aerial Map

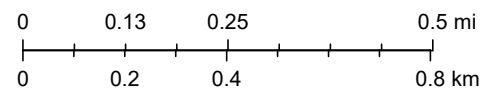


June 2, 2025



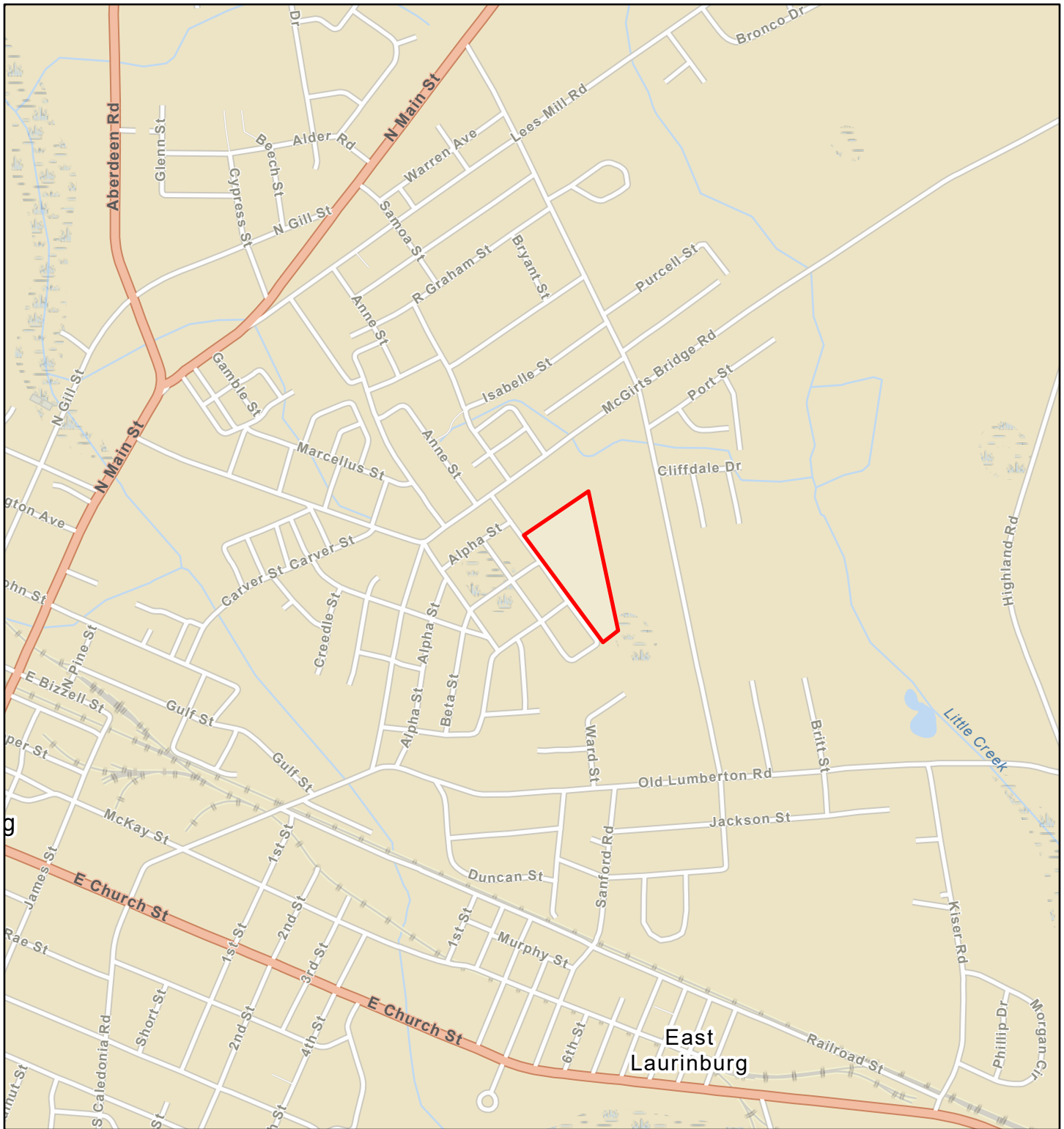
I. Ellis Johnson

1:18,056



Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, (c) OpenStreetMap contributors, and the GIS User Community, Maxar

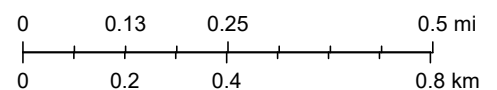
I. Ellis Johnson Multi-Family Housing - Street Map



June 2, 2025

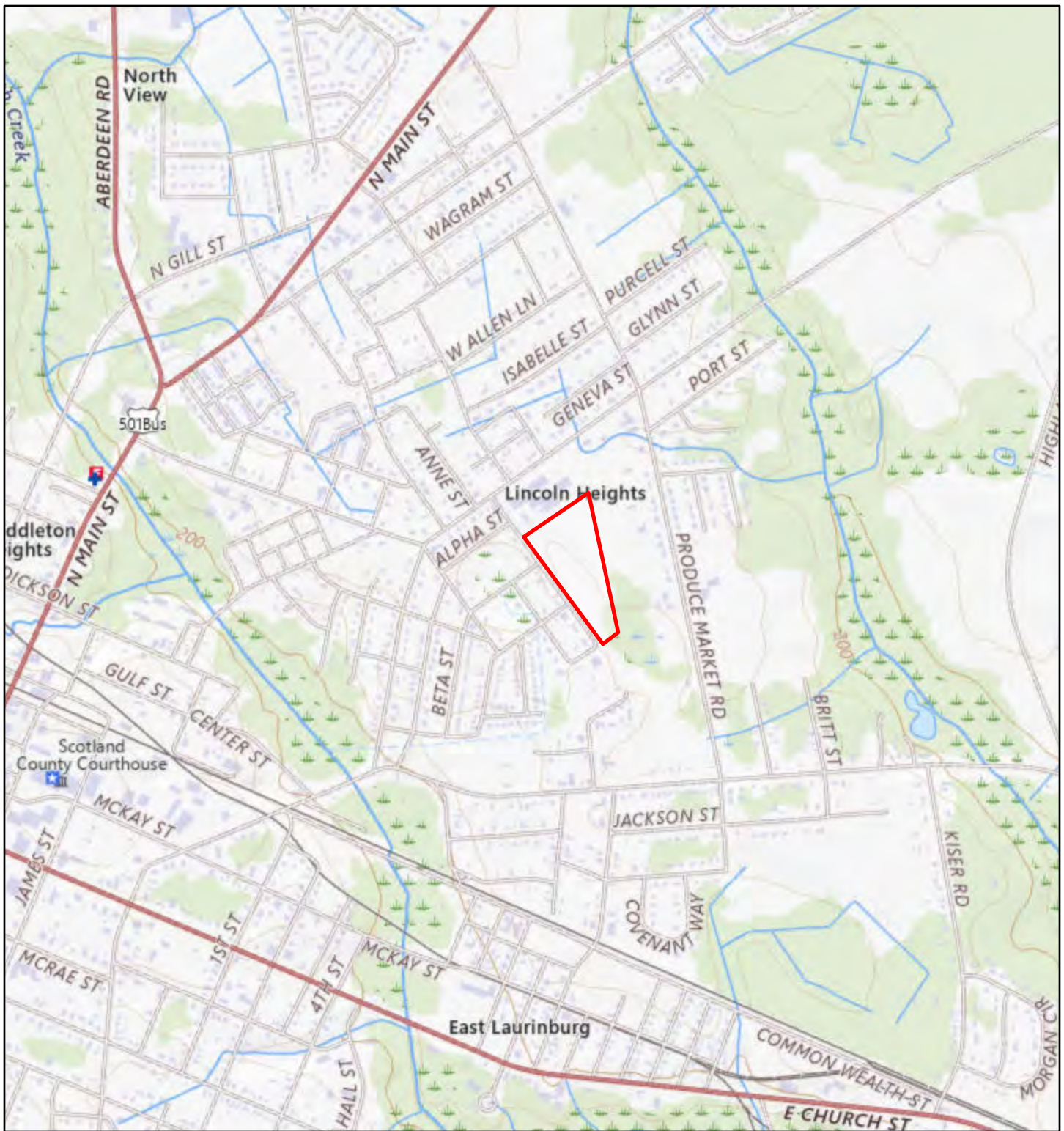
 I. Ellis Johnson

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Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, (c) OpenStreetMap contributors, and the GIS User Community

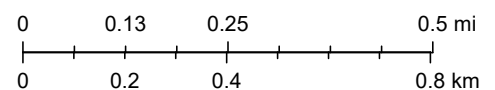
I. Ellis Johnson Multi-Family Housing - Topographic Map



June 2, 2025

 I. Ellis Johnson

1:18,056



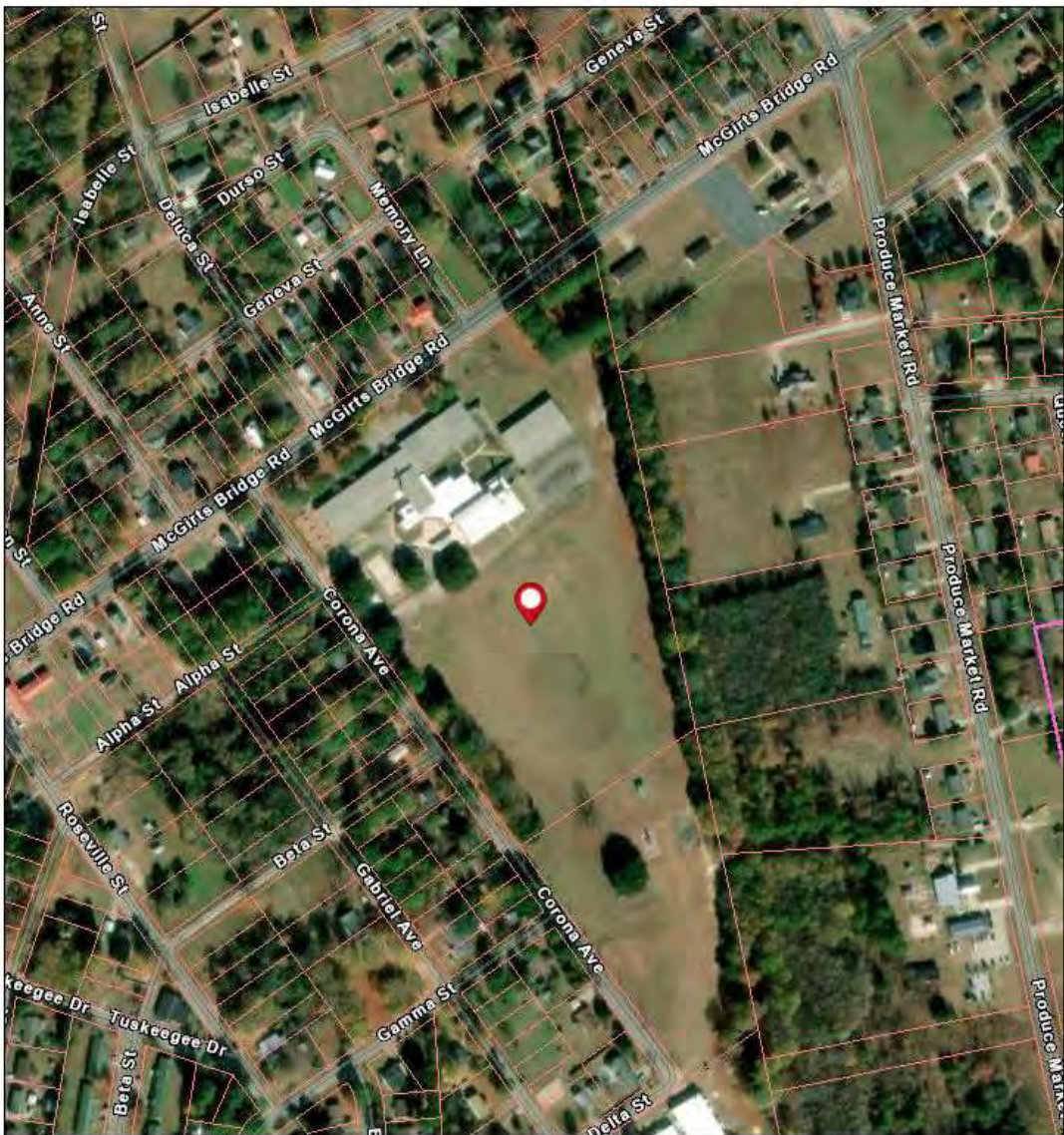
USGS The National Map: National Boundaries Dataset, 3DEP Elevation Program, Geographic Names Information System, National Hydrography Dataset, National Land Cover Database, National Structures Dataset, and National Transportation Dataset; USGS Global Ecosystems; U.S. Census Bureau TIGER/Line data; USFS Road data; Natural Earth Data; U.S.



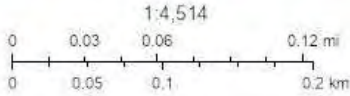
Parcel Report - 15.05-acre Parcel PIN 01008001002

Area of Interest (AOI) Information

Jun 3 2025 15:08:57 Central Daylight Time



- Parcels
- City Limits
- Extraterritorial Jurisdictions



Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, (c) OpenStreetMap contributors, and the GIS User Community. Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

Parcels

#	Name	Address1	Address2	Address3	City
1	SCOTLAND COUNTY BOARD OF	EDUCATION	No Data	322 S MAIN ST	LAURINBURG

#	State	ZipCode	PropertyAd	AccountNum	PINID
1	NC	283523834	815 MCGIRTS BRIDGE RD	7072011.000000	01008001002

#	AssessedVa	BuildingVa	CountyTaxC	DeedBook	DeedDate
1	0	2,583,220	C	No Data	0

#	DeedPage	DeedStamps	ExemptionC	FireTaxCod	LegalDescr
1	0.000000	0	No Data	No Data	I E JOHNSON SCHOOL

#	MarketLand	MarketValu	ObxfValue	Area(acres)
1	178,640	2,786,610	24,750	N/A

Zoning Codes in Laurinburg

#	Zoning Code	Area(acres)
1	O-I	N/A

City Limits

#	City Name	Area(acres)
1	Laurinburg	N/A

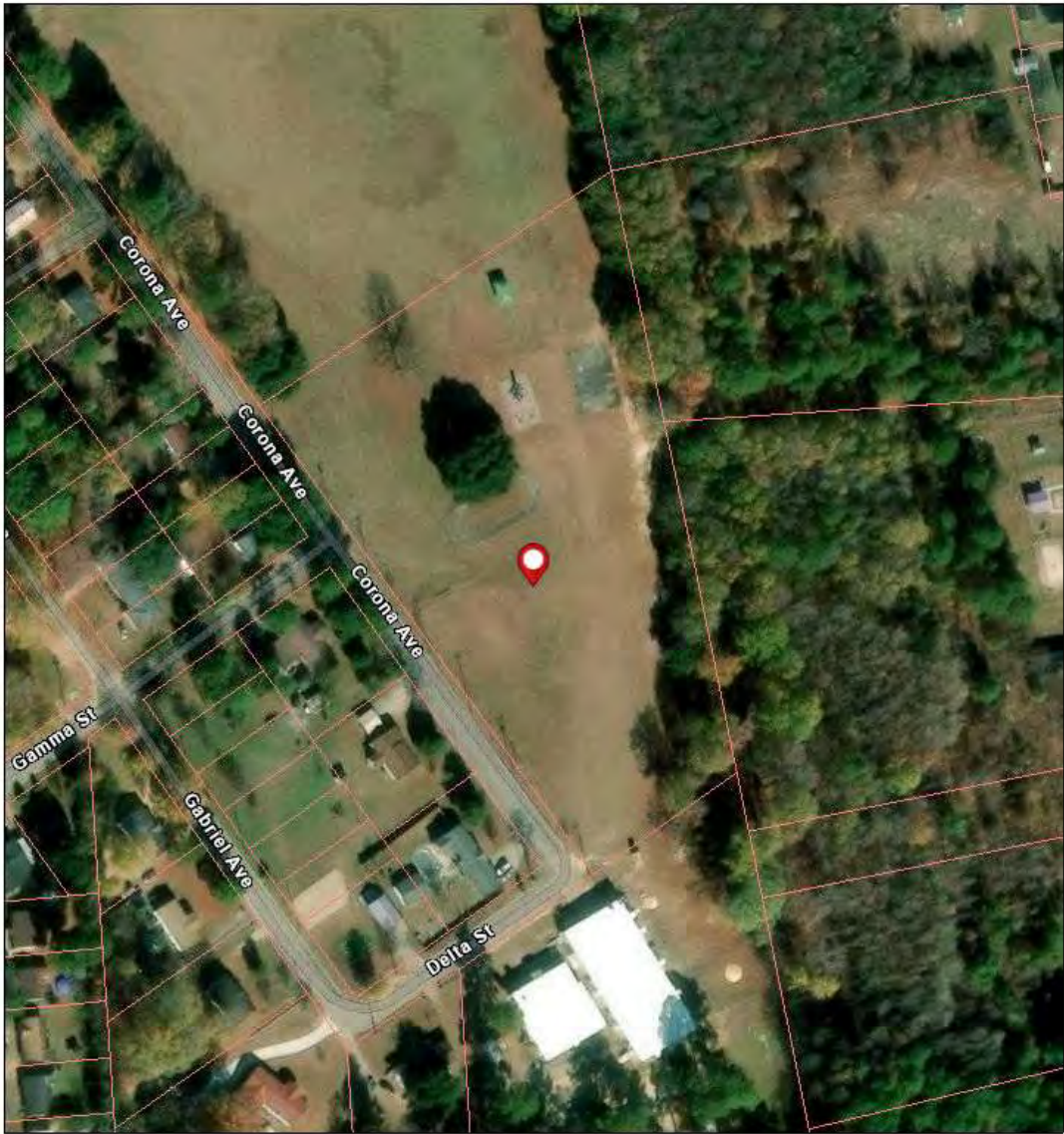
This product is for informational purposes and may not have been prepared for, or be suitable for legal, engineering, or surveying purposes. Users of this information should review or consult the primary data and information sources to ascertain the usability of the information.



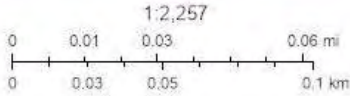
Parcel Report - 4.69-acre Parcel PIN 0100800100201

Area of Interest (AOI) Information

Jun 3 2025 15:05:11 Central Daylight Time



- Parcels
- City Limits
- Extraterritorial Jurisdictions



Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, (c) OpenStreetMap contributors, and the GIS User Community. Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

Parcels

#	Name	Address1	Address2	Address3	City
1	SCOTLAND COUNTY	(PERMANENT LISTING)	PO BOX 488	No Data	LAURINBURG
#	State	ZipCode	PropertyAd	AccountNum	PINID
1	NC	283530488	CORONA AV	7071006.000000	0100800100201
#	AssessedVa	BuildingVa	CountyTaxC	DeedBook	DeedDate
1	0	0	C	0006O	19731120
#	DeedPage	DeedStamps	ExemptionC	FireTaxCod	LegalDescr
1	712.000000	0	No Data	No Data	LINCOLN PARK
#	MarketLand	MarketValu	ObxfValue	Area(acres)	
1	47,700	47,700	0	N/A	

Zoning Codes in Laurinburg

#	Zoning Code	Area(acres)
1	O-I	N/A

City Limits

#	City Name	Area(acres)
1	Laurinburg	N/A

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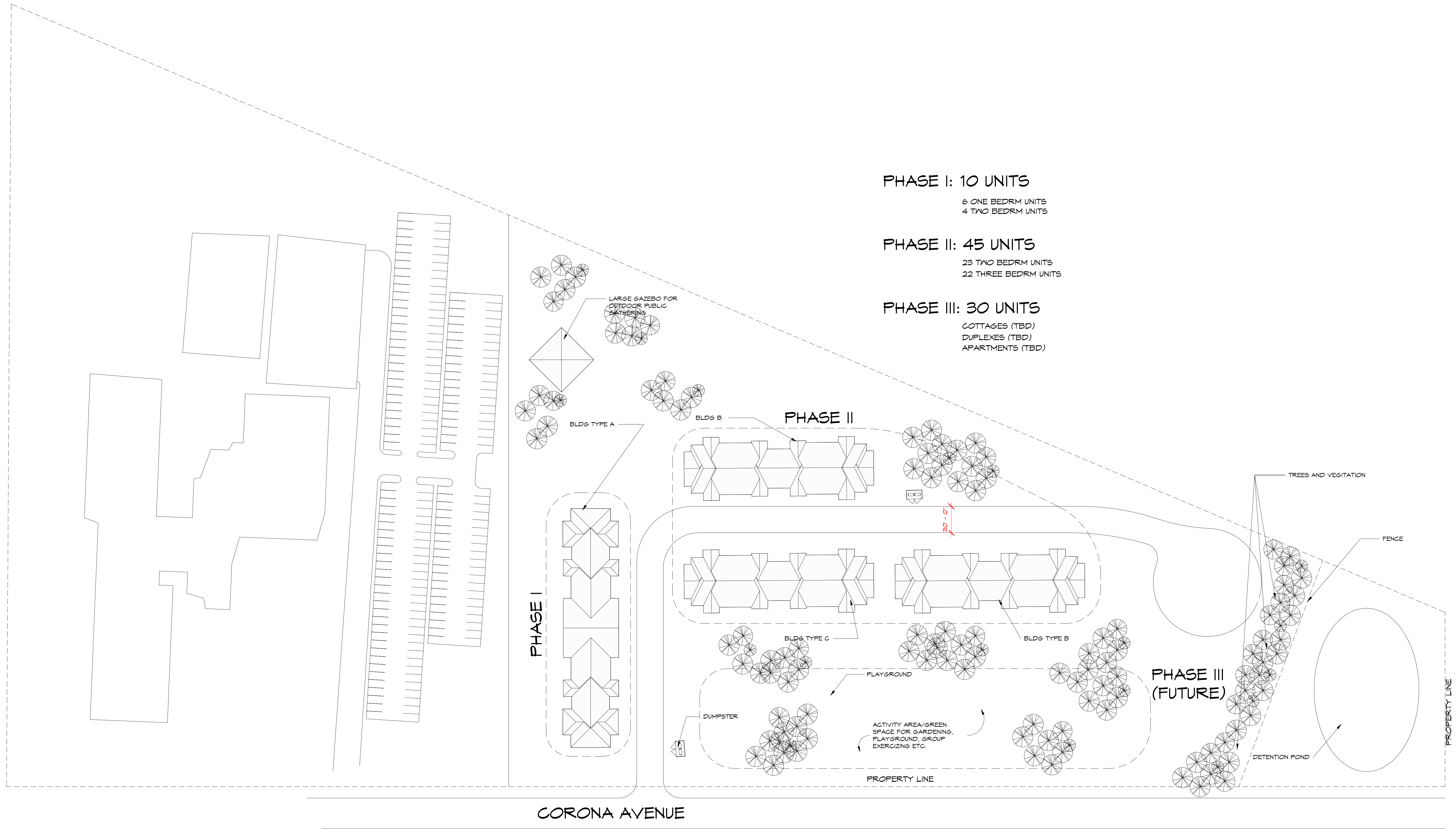
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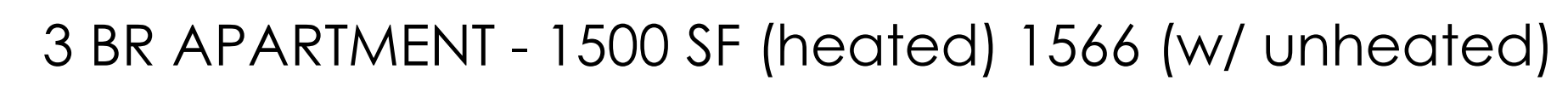
PROJ. NO:	23.002
DATE:	08/23/2023
DRAWN BY:	LRW
Checked by:	Checker

SITE PLAN

**LAURINBURG LOW INCOME
HOUSING MASTER PLAN**
LAURINBURG, NC



1 Site
1" = 50'-0"

DIGITAL SEAL

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rev	Date	Description

PROJ. NO:	23.002
DATE:	08/23/2023
DRAWN BY:	LRW
Checked by:	Checker

SCHEMATIC FLOOR PLANS

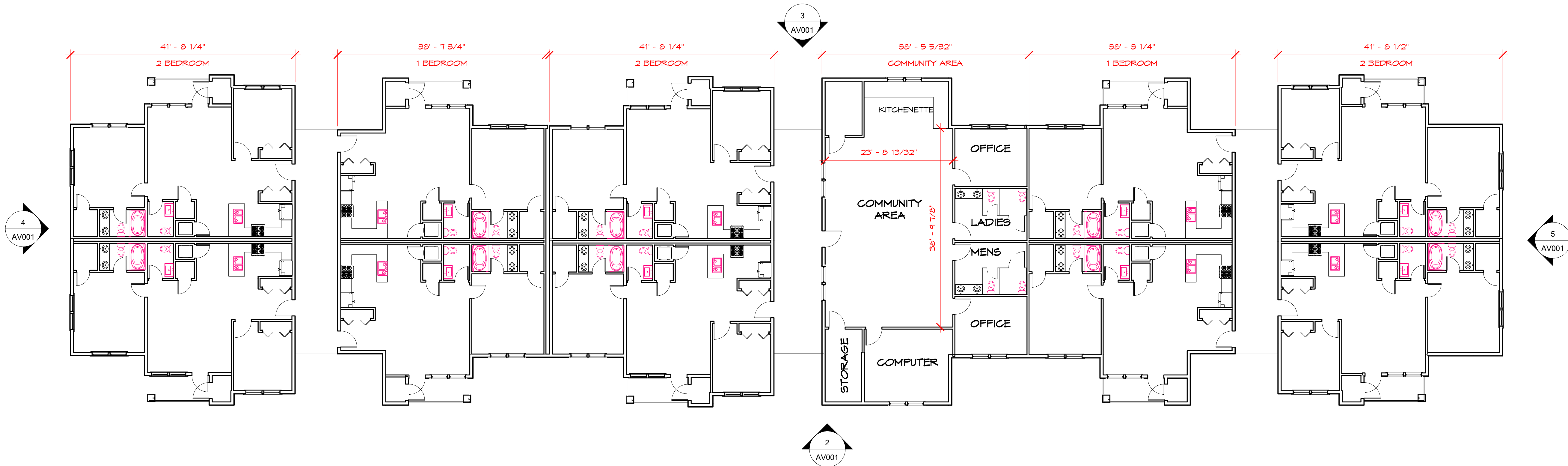
**LAURINBURG LOW INCOME
HOUSING MASTER PLAN**
LAURINBURG, NC

Rev	Date	Description

PROJ. NO:	23.002	LRW	Checker
DATE:	08/23/2023		
DRAWN BY:			
Checked by:			

PHASE I -
SCHEMATIC FLOOR
PLANS

LAURINBURG LOW INCOME
HOUSING MASTER PLAN
LAURINBURG, NC



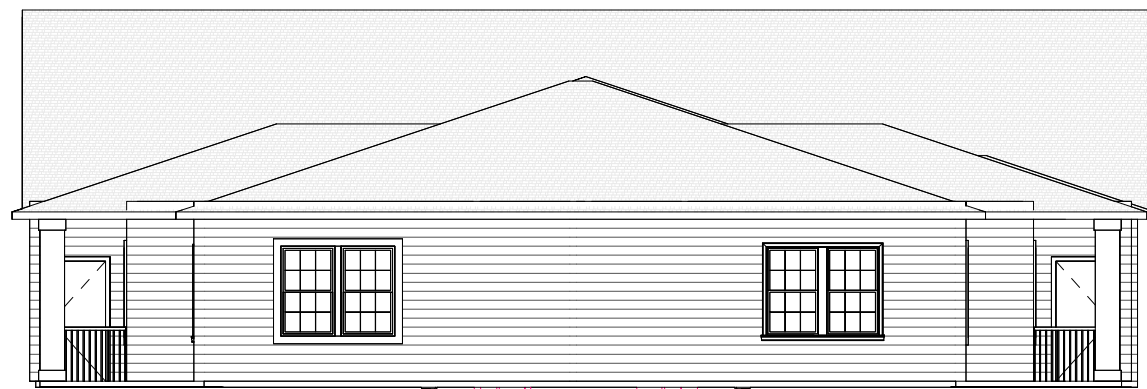
1 MAIN FLOOR - BUILDING A
3/32" = 1'-0"



2 Elevation 9 - a
3/32" = 1'-0"



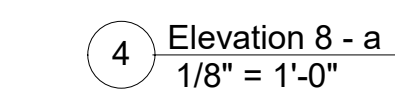
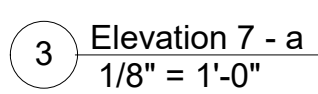
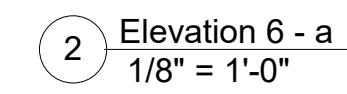
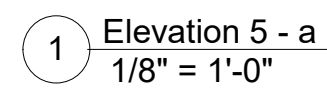
3 Elevation 10 - a
3/32" = 1'-0"



4 Elevation 11 - a
3/32" = 1'-0"



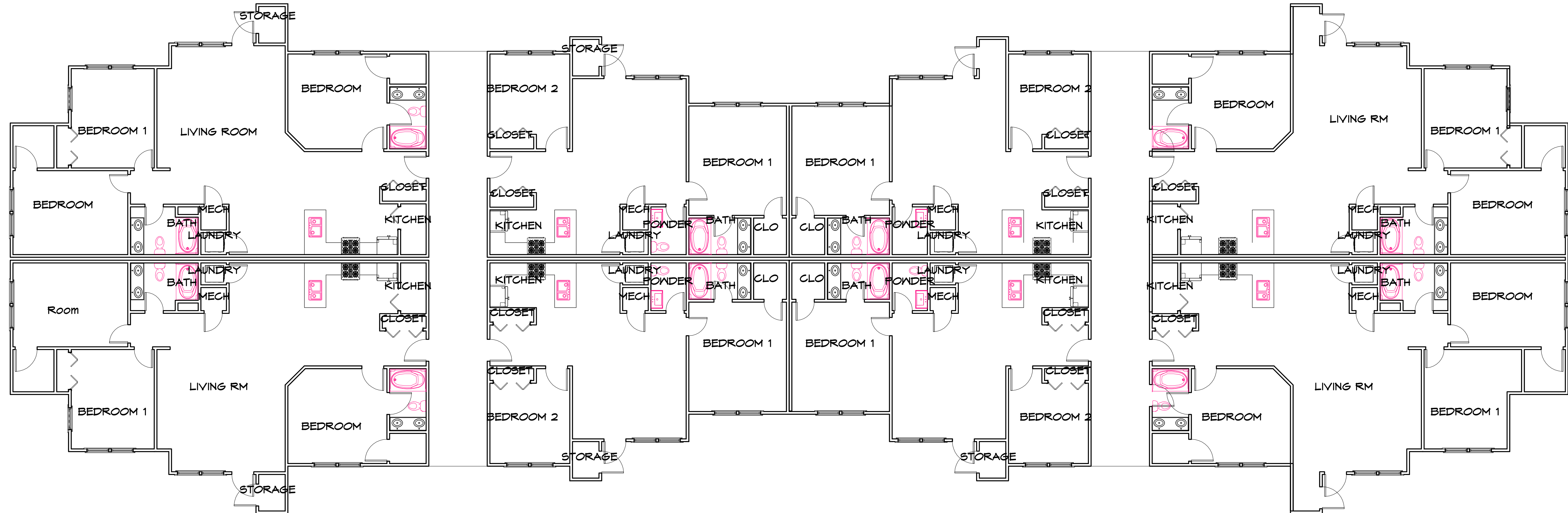
5 Elevation 12 - a
3/32" = 1'-0"

[illegible]

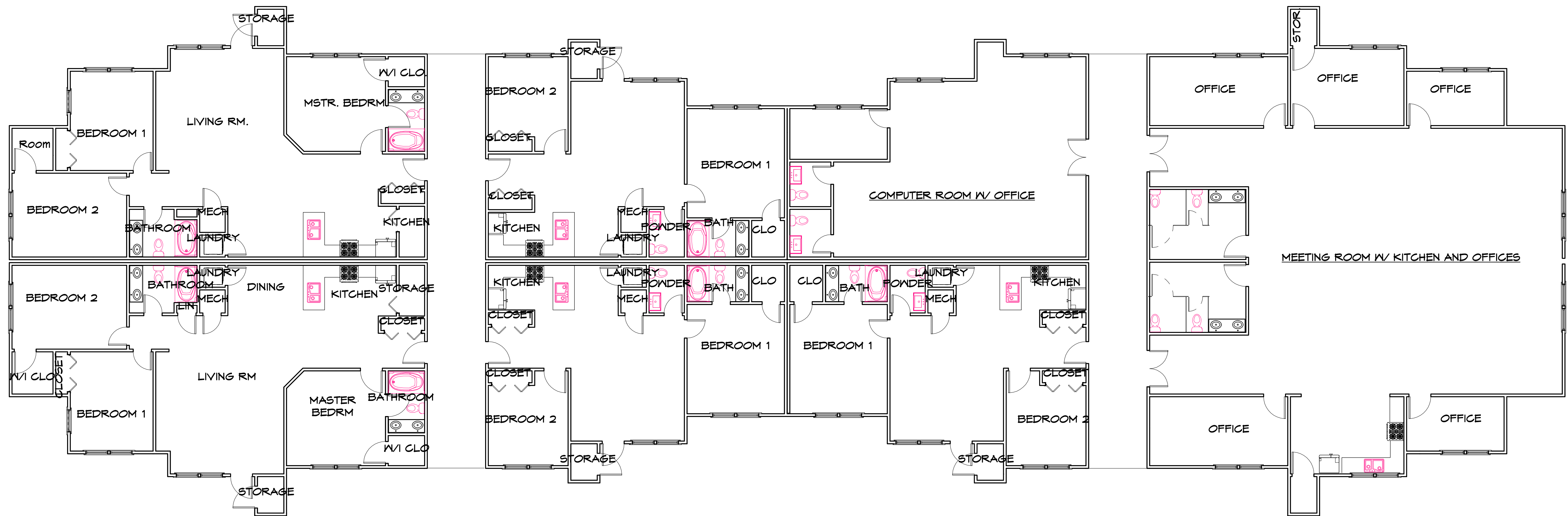
ISSUED FOR REVIEW

Rev	Date	Description

23.002	08/23/2023	LRW	Checker
PROJ. NO:	DATE:	DRAWN BY:	Checked by:



1 MAIN AND SECOND FLOOR - BLDG. B
1/8" = 1'-0"



2 MAIN FLOOR - BULD C (SEE BLDG B FOR
SEC. FLOOR)
1/8" = 1'-0"

ATTACHMENT 1A:

Site Visit Photographs

*View between former school and
proposed housing site from **north to
south.***



*View between former school and
proposed housing site from **west to
east.***



*View between former school and proposed housing site from **east to west**.*



*View of wooded perimeter from **north to south**.*



*View of proposed housing site from
south to north.*



*View of proposed housing site from
west to east.*

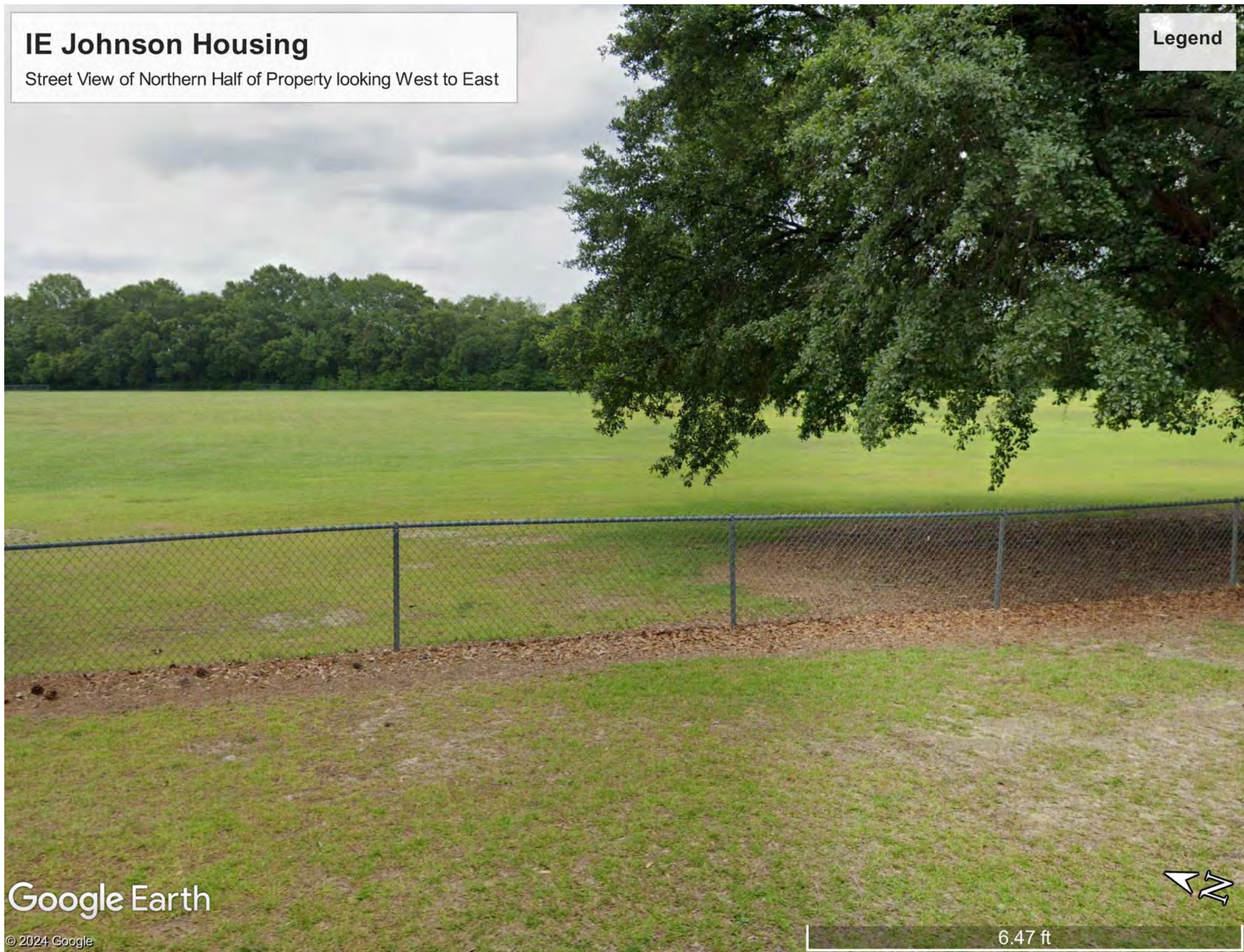




IE Johnson Housing

Street View of Northern Half of Property looking West to East

Legend



Google Earth

© 2024 Google



6.47 ft

IE Johnson Housing

Street View of Property's Center, looking West to East. (Recreation Area)

Legend



Google Earth

© 2024 Google

6.88 ft



IE Johnson Housing

Street View of Property's Southern-most Corner, looking South to North

Legend



Google Earth

© 2024 Google

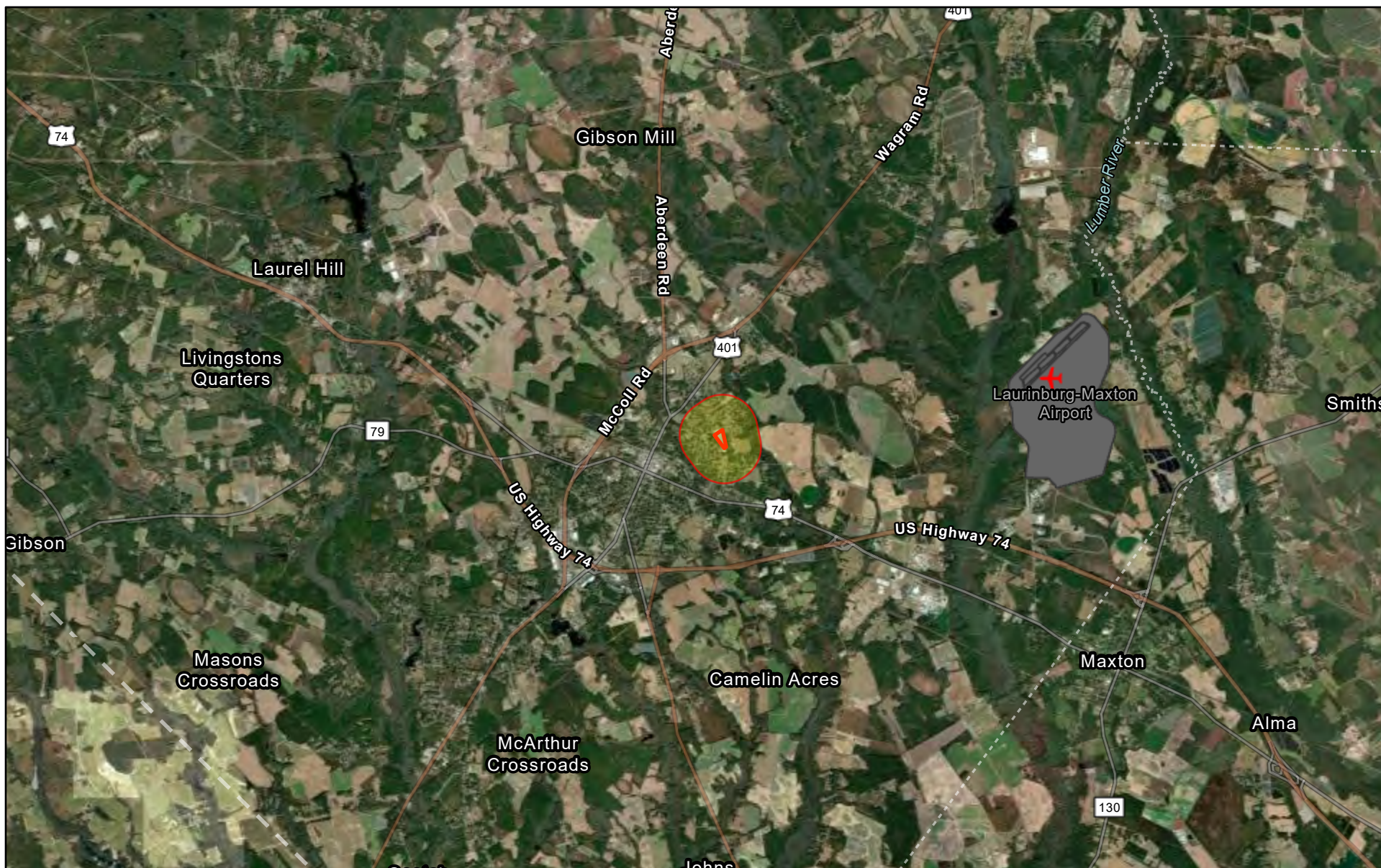
6.74 ft







ATTACHMENT 2:

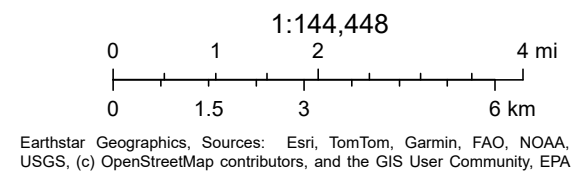
NEP Assist Airports Maps with 2,500-foot and 15,000-foot Buffers and Distance Maps

I. Ellis Johnson - Airports Map with 2,500-foot Buffer



May 23, 2025

-  Project Buffer
-  Airport Points
-  I. Ellis Johnson
-  Airport Polygons



I Ellis Johnson Housing - Civilian Airport Buffer



September 21, 2024

-  Project Buffer
-  IE Johnson Affordable Housing
-  Airport Points
-  Airport Polygons

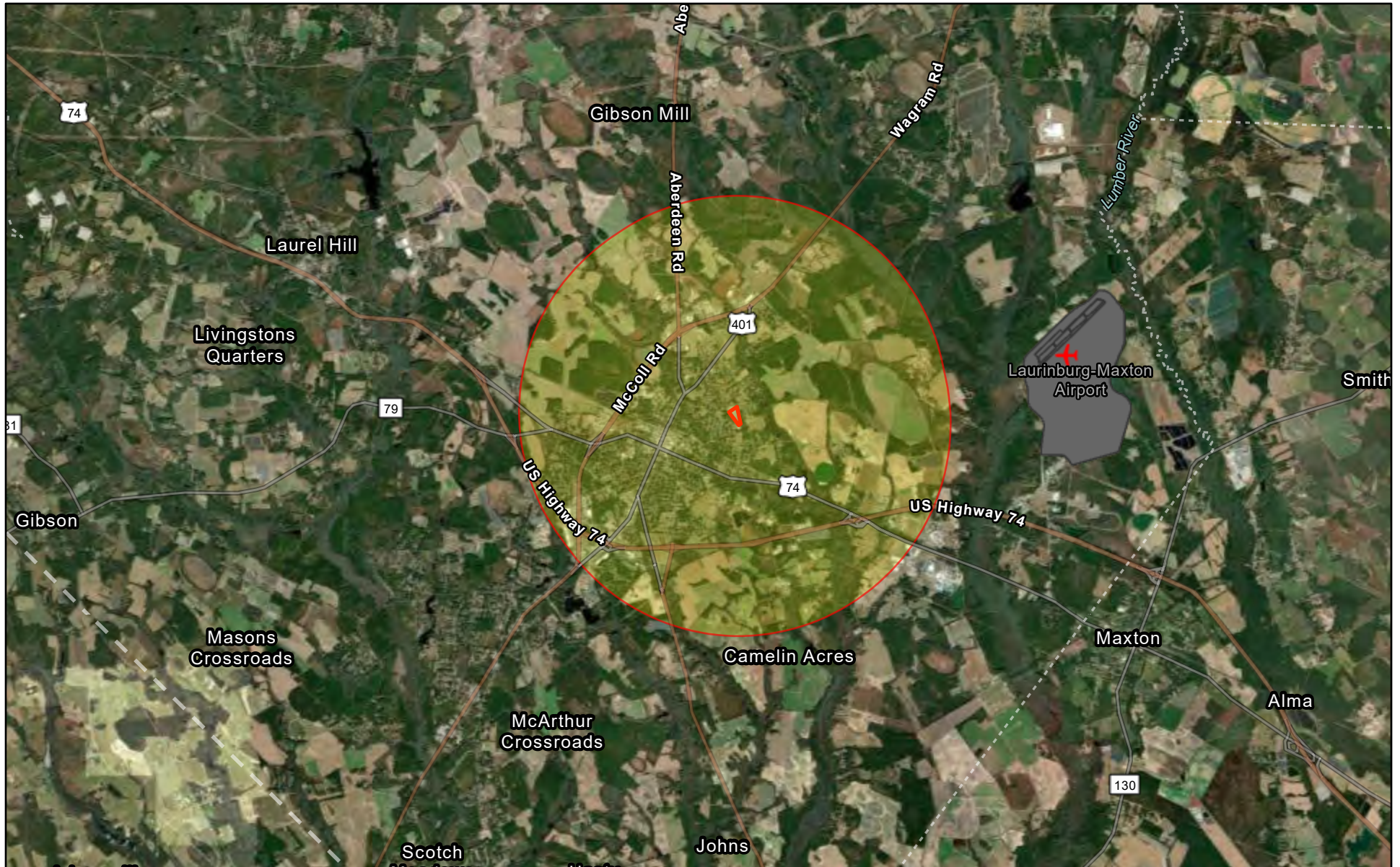
1:72,224

0 0.5 1 2 mi





0 0.75 1.5 3 km

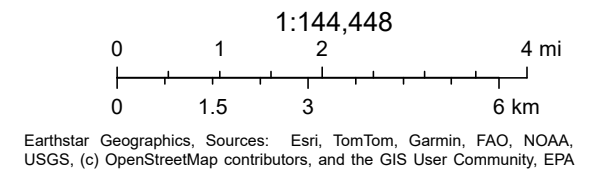
State of North Carolina DOT, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, USDA, USFWS, NC

I. Ellis Johnson - Airports Map with 15,000-foot Buffer

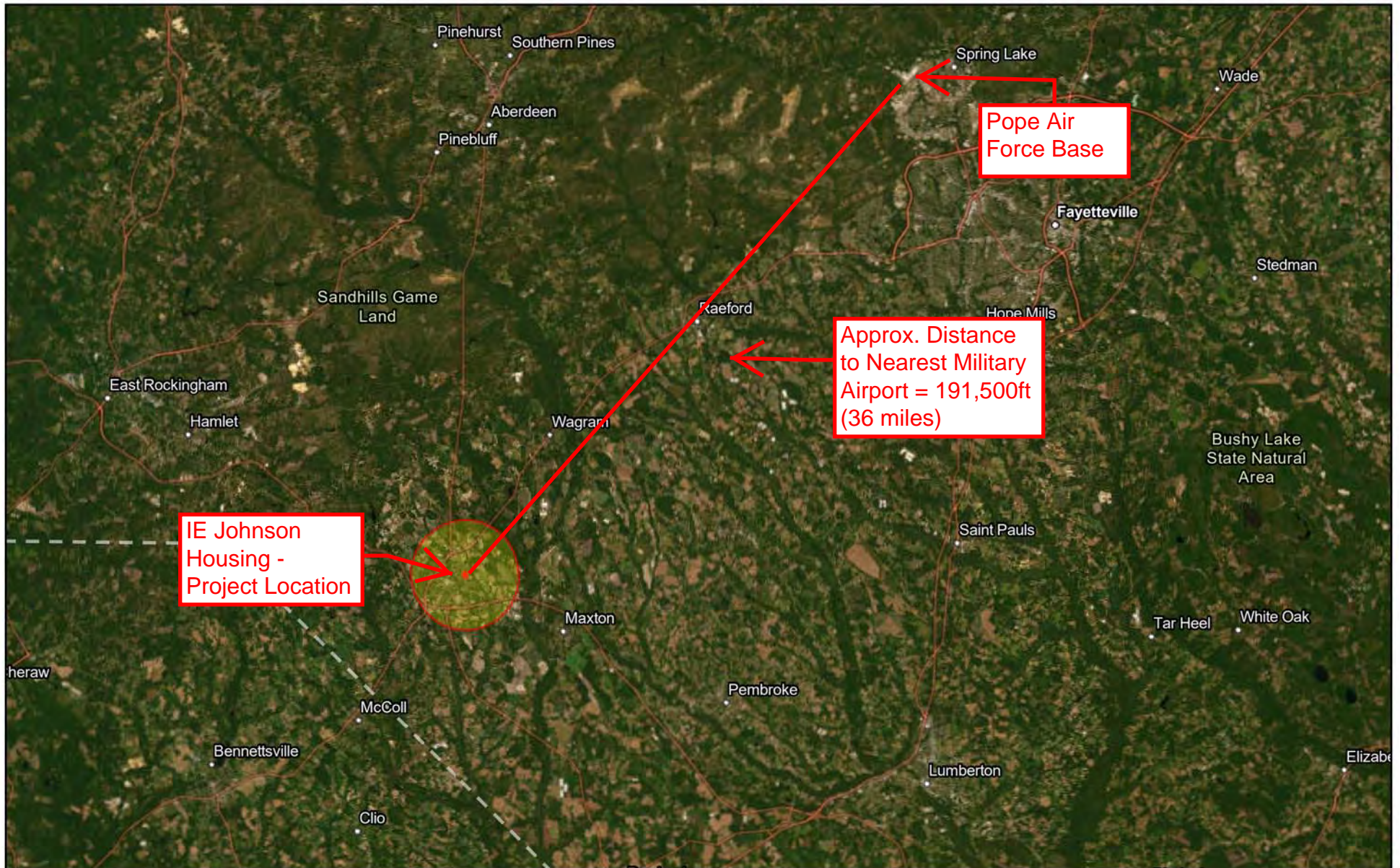


May 23, 2025



-  Project Buffer
-  I. Ellis Johnson
-  Airport Points
-  Airport Polygons

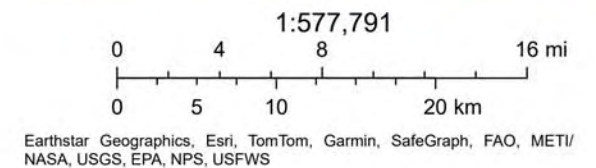


I Ellis Johnson Housing - Military Airport Buffer



September 23, 2024

-  Project Buffer
-  IE Johnson Affordable Housing



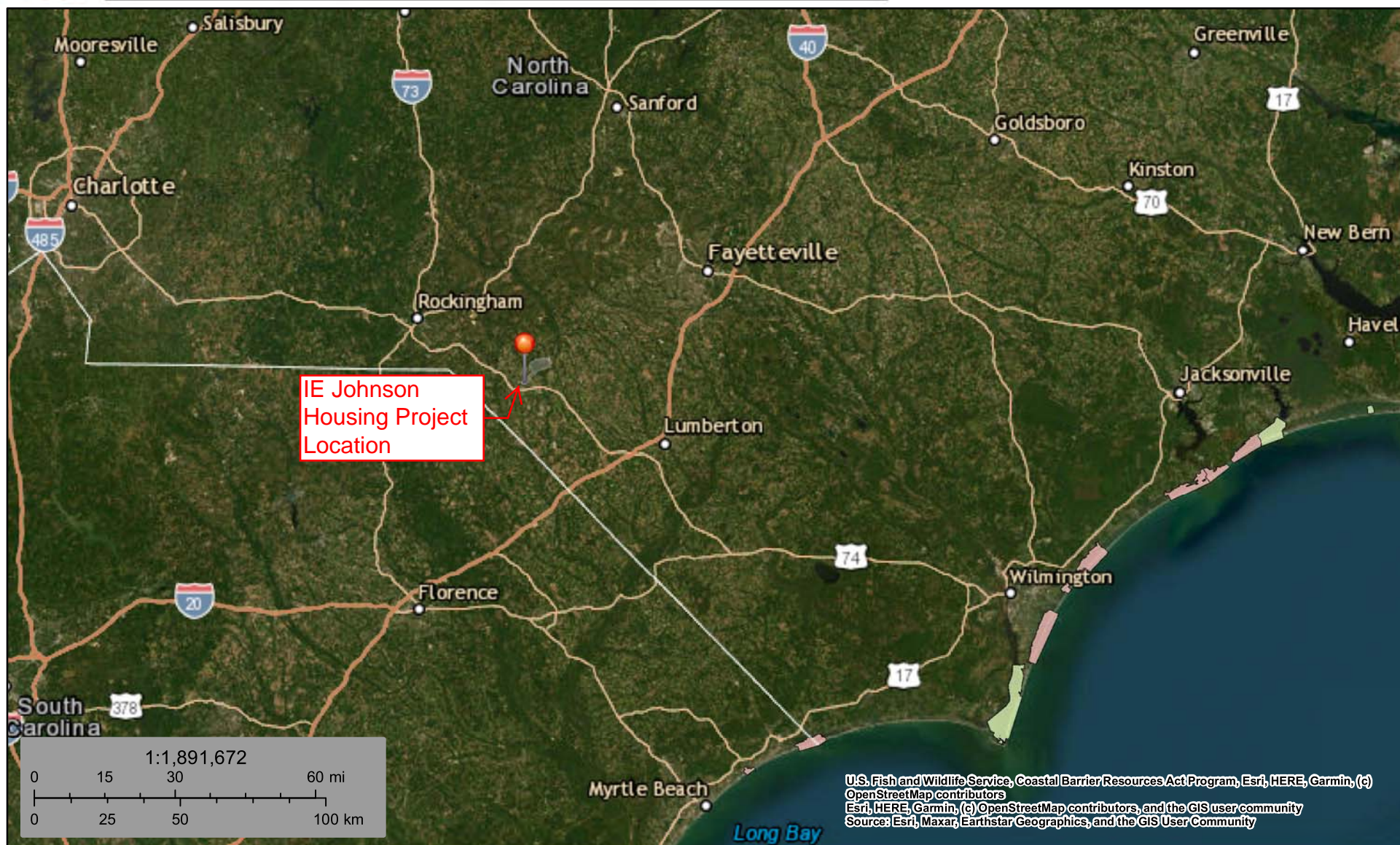
ATTACHMENT 3:

USFWS CBRS Map and Certification





U.S. Fish and Wildlife Service Coastal Barrier Resources System

IE Johnson Housing



September 21, 2024

CBRS Units

-  Otherwise Protected Area
-  System Unit

This map is for general reference only. The Coastal Barrier Resources System (CBRS) boundaries depicted on this map are representations of the controlling CBRS boundaries, which are shown on the official maps, accessible at <https://www.fws.gov/library/collections/official-coastal-barrier-resources-system-maps>. All CBRS related data should be used in accordance with the layer metadata found on the CBRS Mapper website.

The CBRS Buffer Zone represents the area immediately adjacent to the CBRS boundary where users are advised to contact the Service for an official determination (<https://www.fws.gov/service/coastal-barrier-resources-system-property-documentation>) as to whether the property or project site is located "in" or "out" of the CBRS.

CBRS Units normally extend seaward out to the 20- or 30-foot bathymetric contour (depending on the location of the unit). The true seaward

This page was produced by the CBRS Mapper

Coastal Barrier Resources System Mapper Documentation



CBRS Units

- ☐ Otherwise Protected Area
- ☒ CBRS Buffer Zone
- ☐ System Unit
- 79.4448, 34.781069

0 65 130 260 390 ft
1:4,514

The pin location displayed on the map is a point selected by the user. Failure of the user to ensure that the pin location displayed on this map correctly corresponds with the user supplied address/location description below may result in an invalid federal flood insurance policy. **The U.S. Fish and Wildlife Service (Service) has not validated the pin location with respect to the user supplied address/location description below. The Service recommends that all pin locations be verified by federal agencies prior to use of this map for the provision or denial of federal funding or financial assistance.** Please note that a structure bisected by the Coastal Barrier Resources System (CBRS) boundary (i.e., both "partially in" and "partially out") is within the CBRS and therefore affected by CBRA's restrictions on federal flood insurance. A pin placed on a bisected structure must be placed on the portion of the structure within the unit (including any attached features such as a deck or stairs).

User Name: Miranda Horne

User Organization: LL&J on behalf of SCAP

User Supplied Address/Location Description: I Ellis Johnson Multi-Family Housing

Pin Location: Outside CBRS

Pin Flood Insurance Prohibition Date: N/A

Pin System Unit Establishment Date: N/A

The user placed pin location is not within the CBRS. The official CBRS maps are accessible at <https://www.fws.gov/library/collections/official-coastal-barrier-resources-system-maps>.

The CBRS information is derived directly from the CBRS web service provided by the Service. This map was exported on 9/21/2024 and does not reflect changes or amendments subsequent to this date. The CBRS boundaries on this map may become superseded by new boundaries over time.

This map image may be void if one or more of the following map elements do not appear: basemap imagery, CBRS unit labels, prohibition date labels, legend, scale bar, map creation date. For additional information about flood insurance and the CBRS, visit: <https://www.fws.gov/node/263838>.



ATTACHMENT 4:

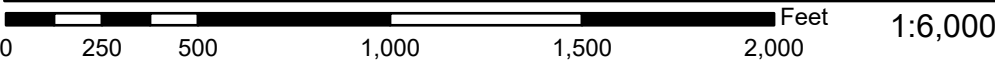
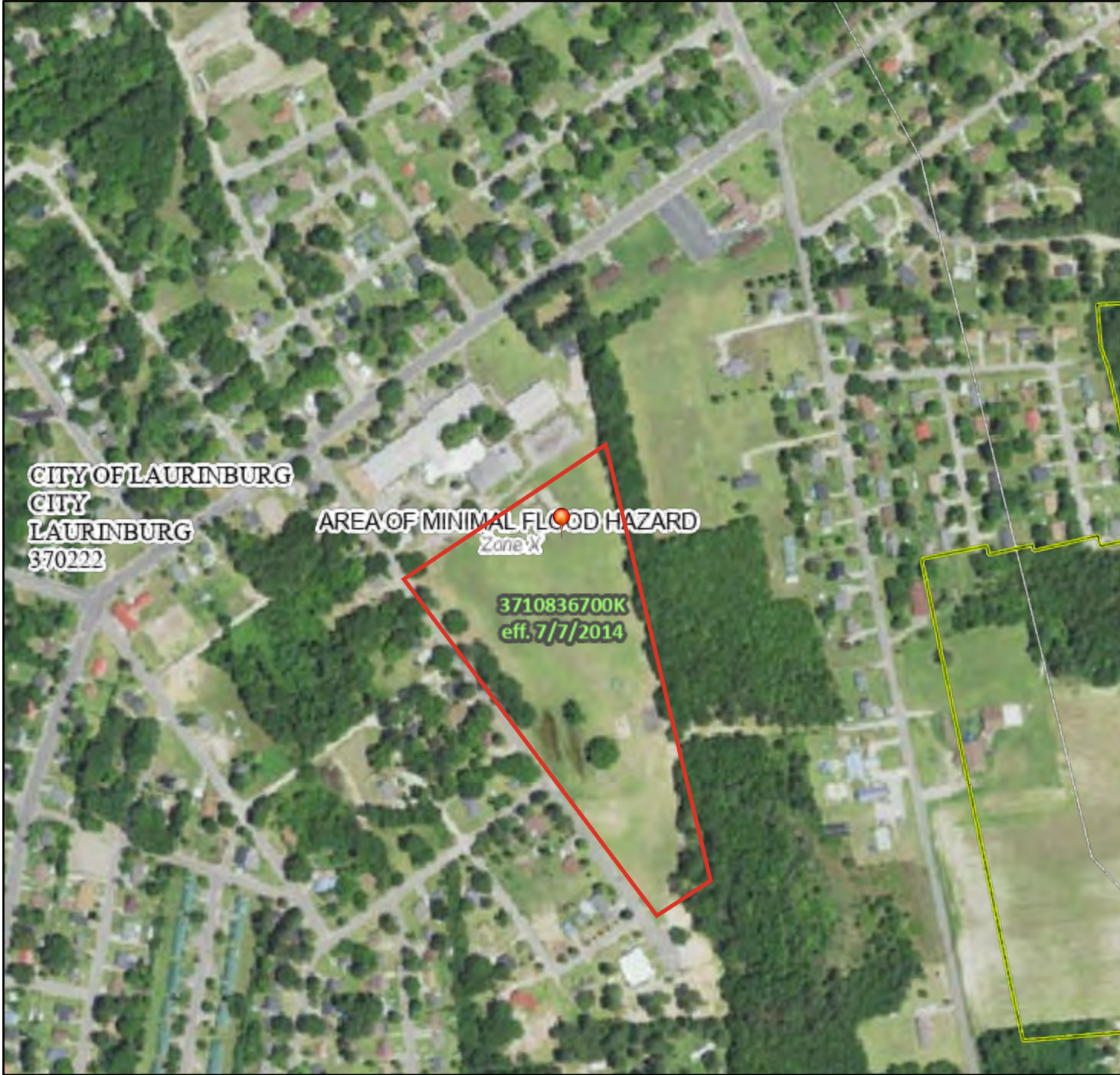
Flood Insurance

FEMA FIRMs with Parcel Boundary

National Flood Hazard Layer FIRMMette



79°26'59"W 34°47'8"N



Basemap Imagery Source: USGS National Map 2023

Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) Zone A, V, A99
		With BFE or Depth Zone AE, AO, AH, VE, AR
		Regulatory Floodway
OTHER AREAS OF FLOOD HAZARD		0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
		Future Conditions 1% Annual Chance Flood Hazard Zone X
		Area with Reduced Flood Risk due to Levee. See Notes. Zone X
		Area with Flood Risk due to Levee Zone D
OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard Zone X
		Effective LOMRs
		Area of Undetermined Flood Hazard Zone D
GENERAL STRUCTURES		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall
OTHER FEATURES		20.2 Cross Sections with 1% Annual Chance Water Surface Elevation
		17.5 Cross Sections with 1% Annual Chance Water Surface Elevation
		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
		Coastal Transect Baseline
MAP PANELS		Digital Data Available
		No Digital Data Available
		Unmapped



The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on **5/23/2025 at 4:15 PM** and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

I. Ellis Johnson - FEMA FIRM



May 23, 2025

Flood Hazard Zones

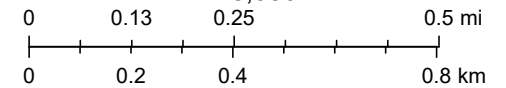
1% Annual Chance Flood Hazard

Regulatory Floodway

0.2% Annual Chance Flood Hazard

I. Ellis Johnson

1:18,056



Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, (c) OpenStreetMap contributors, and the GIS User Community, Maxar

ATTACHMENT 5:

Clean Air

North Carolina Nonattainment/ Maintenance
Status for Each County by Year for All Criteria
Pollutants



You are here: EPA Home > Green Book > >National Area and County-Level Multi-Pollutant Information >North Carolina Nonattainment/Maintenance Status for Each County by Year for All Criteria Pollutants

North Carolina Nonattainment/Maintenance Status for Each County by Year for All Criteria Pollutants

Data is current as of July 31, 2025

Listed by County, NAAQS, Area. The 8-hour Ozone (1997) standard was revoked on April 6, 2015 and the 1-hour Ozone (1979) standard was revoked on June 15, 2005.

* The 1997 Primary Annual PM-2.5 NAAQS (level of 15 µg/m³) is revoked in attainment and maintenance areas for that NAAQS. For additional information see the PM-2.5 NAAQS SIP Requirements Final Rule, effective October 24, 2016. (81 FR 58009)

Change the State:

NORTH CAROLINA

Important Notes

Download National Dataset: dbf | xls | Data dictionary (PDF)

County	NAAQS	Area Name	Nonattainment in Year	Redesignation to Maintenance	Classification	Whole or/Part County	Population (2010)	State/County FIPS Codes
NORTH CAROLINA								
Cabarrus County	8-Hour Ozone (1997)-NAAQS revoked	Charlotte-Gastonia-Rock Hill, NC-SC	04050607080910111213	01/02/2014	Moderate	Whole	178,011	37/025
Cabarrus County	8-Hour Ozone (2008)	Charlotte-Rock Hill, NC-SC	121314	08/27/2015	Marginal	Part	176,928	37/025
Catawba County	PM-2.5 (1997)-NAAQS revoked	Hickory-Morganton-Lenoir, NC	050607080910	12/19/2011 *	Former Subpart 1	Whole	154,358	37/035
Chatham County	8-Hour Ozone (1997)-NAAQS revoked	Raleigh-Durham-Chapel Hill, NC	040506	12/26/2007	Former Subpart 1	Part	32,372	37/037
Davidson County	1-Hour Ozone (1979)-NAAQS revoked	Greensboro-Winston-Salem-High Point, NC	92	11/08/1993	Moderate	Whole	162,878	37/057
Davidson County	PM-2.5 (1997)-NAAQS revoked	Greensboro-Winston-Salem-High Point, NC	050607080910	12/19/2011 *	Former Subpart 1	Whole	162,878	37/057

County	NAAQS	Area Name	Nonattainment in Year	Redesignation to Maintenance	Classification	Whole or/ Part County	Population (2010)	State/ County FIPS Codes
Davie County	1-Hour Ozone (1979)-NAAQS revoked	Greensboro-Winston-Salem-High Point, NC	92	11/08/1993	Moderate	Part	1	37/059
Durham County	1-Hour Ozone (1979)-NAAQS revoked	Raleigh-Durham, NC	9293	06/17/1994	Moderate	Whole	267,587	37/063
Durham County	8-Hour Ozone (1997)-NAAQS revoked	Raleigh-Durham-Chapel Hill, NC	040506	12/26/2007	Former Subpart 1	Whole	267,587	37/063
Durham County	Carbon Monoxide (1971)	Raleigh-Durham, NC	929394	09/18/1995	Moderate <= 12.7ppm	Whole	267,587	37/063
Edgecombe County	8-Hour Ozone (1997)-NAAQS revoked	Rocky Mount, NC	040506	01/05/2007	Former Subpart 1	Whole	56,552	37/065
Forsyth County	1-Hour Ozone (1979)-NAAQS revoked	Greensboro-Winston-Salem-High Point, NC	92	11/08/1993	Moderate	Whole	350,670	37/067
Forsyth County	Carbon Monoxide (1971)	Winston-Salem, NC	9293	11/07/1994	Moderate <= 12.7ppm	Whole	350,670	37/067
Franklin County	8-Hour Ozone (1997)-NAAQS revoked	Raleigh-Durham-Chapel Hill, NC	040506	12/26/2007	Former Subpart 1	Whole	60,619	37/069
Gaston County	1-Hour Ozone (1979)-NAAQS revoked	Charlotte-Gastonia, NC	929394	07/05/1995	Moderate	Whole	206,086	37/071
Gaston County	8-Hour Ozone (1997)-NAAQS revoked	Charlotte-Gastonia-Rock Hill, NC-SC	04050607080910111213	01/02/2014	Moderate	Whole	206,086	37/071
Gaston County	8-Hour Ozone (2008)	Charlotte-Rock Hill, NC-SC	121314	08/27/2015	Marginal	Part	190,849	37/071

County	NAAQS	Area Name	Nonattainment in Year	Redesignation to Maintenance	Classification	Whole or/ Part County	Population (2010)	State/ County FIPS Codes
Granville County	1-Hour Ozone (1979)-NAAQS revoked	Raleigh-Durham, NC	9293	06/17/1994	Moderate	Part	17,725	37/077
Granville County	8-Hour Ozone (1997)-NAAQS revoked	Raleigh-Durham-Chapel Hill, NC	040506	12/26/2007	Former Subpart 1	Whole	59,916	37/077
Guilford County	1-Hour Ozone (1979)-NAAQS revoked	Greensboro-Winston-Salem-High Point, NC	92	11/08/1993	Moderate	Whole	488,406	37/081
Guilford County	PM-2.5 (1997)-NAAQS revoked	Greensboro-Winston Salem-High Point, NC	050607080910	12/19/2011 *	Former Subpart 1	Whole	488,406	37/081
Haywood County	8-Hour Ozone (1997)-NAAQS revoked	Haywood and Swain Counties (Great Smoky NP), NC	040506070809	01/06/2010	Former Subpart 1	Part	985	37/087
Iredell County	8-Hour Ozone (1997)-NAAQS revoked	Charlotte-Gastonia-Rock Hill, NC-SC	04050607080910111213	01/02/2014	Moderate	Part	68,089	37/097
Iredell County	8-Hour Ozone (2008)	Charlotte-Rock Hill, NC-SC	121314	08/27/2015	Marginal	Part	65,899	37/097
Johnston County	8-Hour Ozone (1997)-NAAQS revoked	Raleigh-Durham-Chapel Hill, NC	040506	12/26/2007	Former Subpart 1	Whole	168,878	37/101
Lincoln County	8-Hour Ozone (1997)-NAAQS revoked	Charlotte-Gastonia-Rock Hill, NC-SC	04050607080910111213	01/02/2014	Moderate	Whole	78,265	37/109
Lincoln County	8-Hour Ozone (2008)	Charlotte-Rock Hill, NC-SC	121314	08/27/2015	Marginal	Part	64,189	37/109
Mecklenburg County	1-Hour Ozone (1979)-NAAQS revoked	Charlotte-Gastonia, NC	929394	07/05/1995	Moderate	Whole	919,628	37/119

County	NAAQS	Area Name	Nonattainment in Year	Redesignation to Maintenance	Classification	Whole or/ Part County	Population (2010)	State/ County FIPS Codes
Mecklenburg County	8-Hour Ozone (1997)-NAAQS revoked	Charlotte-Gastonia-Rock Hill, NC-SC	04050607080910111213	01/02/2014	Moderate	Whole	919,628	37/119
Mecklenburg County	8-Hour Ozone (2008)	Charlotte-Rock Hill, NC-SC	121314	08/27/2015	Marginal	Whole	919,628	37/119
Mecklenburg County	Carbon Monoxide (1971)	Charlotte, NC	929394	09/18/1995	Not Classified	Whole	919,628	37/119
Nash County	8-Hour Ozone (1997)-NAAQS revoked	Rocky Mount, NC	040506	01/05/2007	Former Subpart 1	Whole	95,840	37/127
Orange County	8-Hour Ozone (1997)-NAAQS revoked	Raleigh-Durham-Chapel Hill, NC	040506	12/26/2007	Former Subpart 1	Whole	133,801	37/135
Person County	8-Hour Ozone (1997)-NAAQS revoked	Raleigh-Durham-Chapel Hill, NC	040506	12/26/2007	Former Subpart 1	Whole	39,464	37/145
Rowan County	8-Hour Ozone (1997)-NAAQS revoked	Charlotte-Gastonia-Rock Hill, NC-SC	04050607080910111213	01/02/2014	Moderate	Whole	138,428	37/159
Rowan County	8-Hour Ozone (2008)	Charlotte-Rock Hill, NC-SC	121314	08/27/2015	Marginal	Part	130,057	37/159
Swain County	8-Hour Ozone (1997)-NAAQS revoked	Haywood and Swain Counties (Great Smoky NP), NC	040506070809	01/06/2010	Former Subpart 1	Part	3,288	37/173
Union County	8-Hour Ozone (1997)-NAAQS revoked	Charlotte-Gastonia-Rock Hill, NC-SC	04050607080910111213	01/02/2014	Moderate	Whole	201,292	37/179
Union County	8-Hour Ozone (2008)	Charlotte-Rock Hill, NC-SC	121314	08/27/2015	Marginal	Part	176,055	37/179

County	NAAQS	Area Name	Nonattainment in Year	Redesignation to Maintenance	Classification	Whole or/ Part County	Population (2010)	State/ County FIPS Codes
Wake County	1-Hour Ozone (1979)-NAAQS revoked	Raleigh-Durham, NC	9293	06/17/1994	Moderate	Whole	900,993	37/183
Wake County	8-Hour Ozone (1997)-NAAQS revoked	Raleigh-Durham-Chapel Hill, NC	040506	12/26/2007	Former Subpart 1	Whole	900,993	37/183
Wake County	Carbon Monoxide (1971)	Raleigh-Durham, NC	929394	09/18/1995	Moderate <= 12.7ppm	Whole	900,993	37/183

Important Notes

ATTACHMENT 6:


Coastal Zone Management

NC Division of Coastal Management
(DCM) Counties Map



CAMA Counties

The following counties are subject to the rules and policies of the Coastal Resources Commission, which administers the Coastal Area Management Act. If you are planning to develop in one of these counties, check to see whether your project is also in an Area of Environmental Concern (<https://deq.nc.gov/about/divisions/coastal-management/coastal-management-rules/coastal-development-rules>). If it is, you may need a CAMA permit.

CAMA Counties		
<ul style="list-style-type: none">• Beaufort• Bertie• Brunswick• Camden• Carteret• Chowan• Craven• Currituck• Dare• Gates	<ul style="list-style-type: none">• Hertford• Hyde• New Hanover• Onslow• Pamlico• Pasquotank• Pender• Perquimans• Tyrrell• Washington	

Showing 1 to 1 of 1 entries

About Coastal Management

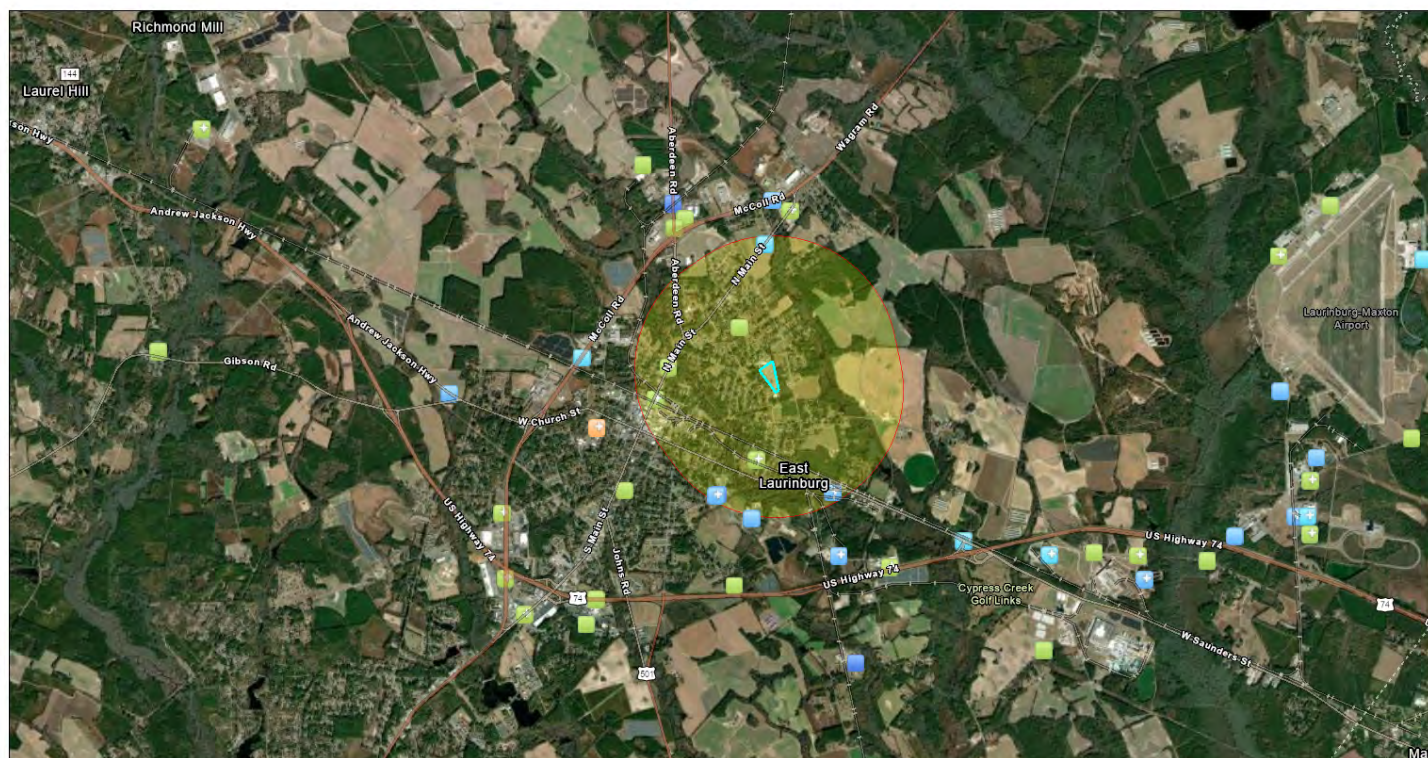
ATTACHMENT 7:

Contamination and Toxic Substances

NEP Assist EPA Facilities with 1-mile and 0.5-mile
Buffers, Facility Reports, NC DEQ DWM Site
Locator Reports with 1-mile, 0.5-mile, and 3,000-
foot Buffer, and Phase
I ESA

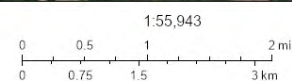
NEPAssist Report

I. Ellis Johnson - EPA Facilities 1-mile Radius



May 27, 2025

- Hazardous Waste (RCRAInfo)
- Hazardous Waste (RCRAInfo)
- Toxic Releases (TRI)
- Toxic Releases (TRI)
- Water Dischargers (NPDES)
- Water Dischargers (NPDES)
- Brownfields (ACRES)
- Air Pollution (ICIS-AIR)
- Air Pollution (ICIS-AIR)
- Project Buffer
- I. Ellis Johnson - EPA Facilities 1-mile Radius



Earthstar Geographics, Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, (c) OpenStreetMap contributors, and the GIS User Community

Input Coordinates: 34.781164,-79.445989,34.782224,-79.444094,34.778872,-79.443225,34.778591,-79.443673,34.781164,-79.445989

Project Area	0.02 sq mi
Within 1 mile of an Ozone 1-hr (1979 standard) Non-Attainment/Maintenance Area?	no
Within 1 mile of an Ozone 8-hr (1997 standard) Non-Attainment/Maintenance Area?	no
Within 1 mile of an Ozone 8-hr (2008 standard) Non-Attainment/Maintenance Area?	no
Within 1 mile of an Ozone 8-hr (2015 standard) Non-Attainment/Maintenance Area?	no
Within 1 mile of a Lead (2008 standard) Non-Attainment/Maintenance Area?	no
Within 1 mile of a SO2 1-hr (2010 standard) Non-Attainment/Maintenance Area?	no
Within 1 mile of a PM2.5 24hr (2006 standard) Non-Attainment/Maintenance Area?	no
Within 1 mile of a PM2.5 Annual (1997 standard) Non-Attainment/Maintenance Area?	no
Within 1 mile of a PM2.5 Annual (2012 standard) Non-Attainment/Maintenance Area?	no
Within 1 mile of a PM10 (1987 standard) Non-Attainment/Maintenance Area?	no
Within 1 mile of a CO Annual (1971 standard) Non-Attainment/Maintenance Area?	no
Within 1 mile of a NO2 Annual (1971 standard) Non-Attainment/Maintenance Area?	no
Within 1 mile of a Federal Land?	no
Within 1 mile of an impaired stream?	no
Within 1 mile of an impaired waterbody?	no
Within 1 mile of a waterbody?	no
Within 1 mile of a stream?	yes
Within 1 mile of an NWI wetland?	Available Online
Within 1 mile of a Brownfields site?	yes

Within 1 mile of a Superfund site?	no
Within 1 mile of a Toxic Release Inventory (TRI) site?	yes
Within 1 mile of a water discharger (NPDES)?	yes
Within 1 mile of a hazardous waste (RCRA) facility?	yes
Within 1 mile of an air emission facility?	yes
Within 1 mile of a school?	yes
Within 1 mile of an airport?	no
Within 1 mile of a hospital?	no
Within 1 mile of a designated sole source aquifer?	no
Within 1 mile of a historic property on the National Register of Historic Places?	no
Within 1 mile of a Chemical Data Reporting (CDR) site?	no
Within 1 mile of a Land Cession Boundary?	no
Within 1 mile of a tribal area (lower 48 states)?	no
Within 1 mile of the service area of a mitigation or conservation bank?	no
Within 1 mile of the service area of an In-Lieu-Fee Program?	yes
Within 1 mile of a Public Property Boundary of the Formerly Used Defense Sites?	no
Within 1 mile of a Munitions Response Site?	no
Within 1 mile of an Essential Fish Habitat (EFH)?	no
Within 1 mile of a Habitat Area of Particular Concern (HAPC)?	no
Within 1 mile of an EFH Area Protected from Fishing (EFHA)?	no
Within 1 mile of a Bureau of Land Management Area of Critical Environmental Concern?	no
Within 1 mile of an ESA-designated Critical Habitat Area per U.S. Fish & Wildlife Service?	no
Within 1 mile of an ESA-designated Critical Habitat river, stream or water feature per U.S. Fish & Wildlife Service?	no

Created on: 5/27/2025 2:36:48 PM

Report question: *Within 1 undefined of a Brownfields site? yes*

Modify question by entering a new buffer distance and unit for the selected study area:

1

miles

▼

Submit

Name	Distance
<div><input type="checkbox"/> FORMER SCOTLAND FIRST BANK (LAURINBURG,NC) (https://ofmpub.epa.gov/apex/cimc/f?p=CIMC:31::::Y,31,0:P31_ID:258130)</div> <div>registry_id: 110071716344</div> <div>latitude: 34.77653</div> <div>longitude: -79.46151</div> <div>pgm_sys_acrnm: ACRES</div> <div>pgm_sys_id: 258130</div> <div>primary_name: FORMER SCOTLAND FIRST BANK</div> <div>location_address: 127 S MAIN STREET</div> <div>city_name: LAURINBURG</div> <div>county_name: SCOTLAND</div> <div>state_code: NC</div> <div>epa_region: Region 04</div> <div>postal_code: 28352</div> <div>fips_code:</div> <div>huc_code:</div> <div>facility_url: https://ofmpub.epa.gov/apex/cimc/f?p=CIMC:31::::Y,31,0:P31_ID:258130</div>	0.94 mile

Name	Distance
<input type="checkbox"/> FORMER COVINGTON CONCRETE PLANT (LAURINBURG,NC) (https://ofmpub.epa.gov/apex/cimc/f?p=CIMC:31::::Y,31,0:P31_ID:259012) registry_id: 110071852814 latitude: 34.77912 longitude: -79.46212 pgm_sys_acrnm: ACRES pgm_sys_id: 259012 primary_name: FORMER COVINGTON CONCRETE PLANT location_address: 213 N GILL STREET city_name: LAURINBURG county_name: SCOTLAND state_code: NC epa_region: Region 04 postal_code: 28352 fips_code: huc_code: facility_url: https://ofmpub.epa.gov/apex/cimc/f?p=CIMC:31::::Y,31,0:P31_ID:259012	0.93 mile
<input type="checkbox"/> MCKAY STREET PROPERTY (LAURINBURG,NC) (https://ofmpub.epa.gov/apex/cimc/f?p=CIMC:31::::Y,31,0:P31_ID:259568) registry_id: 110071853086 latitude: 34.775778 longitude: -79.461787 pgm_sys_acrnm: ACRES pgm_sys_id: 259568 primary_name: MCKAY STREET PROPERTY location_address: 111 MCKAY STREET city_name: LAURINBURG county_name: SCOTLAND state_code: NC epa_region: Region 04 postal_code: 28352 fips_code: huc_code: facility_url: https://ofmpub.epa.gov/apex/cimc/f?p=CIMC:31::::Y,31,0:P31_ID:259568	0.97 mile
<input type="checkbox"/> FORMER DRY CLEANERS (LAURINBURG,NC) (https://ofmpub.epa.gov/apex/cimc/f?p=CIMC:31::::Y,31,0:P31_ID:257952) registry_id: 110071853185 latitude: 34.776566 longitude: -79.460413 pgm_sys_acrnm: ACRES pgm_sys_id: 257952 primary_name: FORMER DRY CLEANERS location_address: 122 BIGGS STREET city_name: LAURINBURG county_name: SCOTLAND state_code: NC epa_region: Region 04 postal_code: 28352 fips_code: huc_code: facility_url: https://ofmpub.epa.gov/apex/cimc/f?p=CIMC:31::::Y,31,0:P31_ID:257952	0.88 mile

Name	Distance
<div> <input type="checkbox"/> 112 E BIZZELL STREET (LAURINBURG,NC) (https://ofmpub.epa.gov/apex/cimc/f?p=CIMC:31::::Y,31,0:P31_ID:261586) </div> <div>p=CIMC:31::::Y,31,0:P31_ID:261586)</div> <div>registry_id: 110071876901</div> <div>latitude: 34.774766</div> <div>longitude: -79.452438</div> <div>pgm_sys_acrnm: ACRES</div> <div>pgm_sys_id: 261586</div> <div>primary_name: 112 E BIZZELL STREET</div> <div>location_address: 112 E BIZZELL STREET</div> <div>city_name: LAURINBURG</div> <div>county_name: SCOTLAND</div> <div>state_code: NC</div> <div>epa_region: Region 04</div> <div>postal_code: 28352</div> <div>fips_code:</div> <div>huc_code:</div> <div>facility_url: https://ofmpub.epa.gov/apex/cimc/f?p=CIMC:31::::Y,31,0:P31_ID:261586 </div>	0.56 mile
<div> <input type="checkbox"/> E BIZZELL STREET PINE STREET (LAURINBURG,NC) (https://ofmpub.epa.gov/apex/cimc/f?p=CIMC:31::::Y,31,0:P31_ID:261591) </div> <div>p=CIMC:31::::Y,31,0:P31_ID:261591)</div> <div>registry_id: 110071876902</div> <div>latitude: 34.77733</div> <div>longitude: -79.45937</div> <div>pgm_sys_acrnm: ACRES</div> <div>pgm_sys_id: 261591</div> <div>primary_name: E BIZZELL STREET PINE STREET</div> <div>location_address: E BIZZELL AND PINE STREET</div> <div>city_name: LAURINBURG</div> <div>county_name: SCOTLAND</div> <div>state_code: NC</div> <div>epa_region: Region 04</div> <div>postal_code: 28352</div> <div>fips_code:</div> <div>huc_code:</div> <div>facility_url: https://ofmpub.epa.gov/apex/cimc/f?p=CIMC:31::::Y,31,0:P31_ID:261591 </div>	0.81 mile

Report question: *Within 1 undefined of a Toxic releases site? yes*

Modify question by entering a new buffer distance and unit for the selected study area:

1

miles

▼

Submit

Name	Distance
<div><input type="checkbox"/> ABBOTT LABS (LAURINBURG,NC) (https://enviro.epa.gov/facts/tri/ef-facilities/#!/Facility/28352BBTTLHWY40)</div>	0.94 mile
registry_id: 110008460744	
latitude: 34.795763	
longitude: -79.445164	
pgm_sys_acrnm: TRIS	
pgm_sys_id: 28352BBTTLHWY40	
primary_name: ABBOTT LABS	
location_address: HWY 401 15 501	
city_name: LAURINBURG	
county_name: SCOTLAND	
state_code: NC	
epa_region: Region 04	
postal_code: 28352	
fips_code:	
huc_code:	
facility_url: https://enviro.epa.gov/facts/tri/ef-facilities/#!/Facility/28352BBTTLHWY40	

Report question: *Within 1 undefined of a Water dischargers site? yes*

Modify question by entering a new buffer distance and unit for the selected study area:

1

miles

▼

Submit

Name	Distance
<div><input type="checkbox"/> CITY OF LAURINBURG TYPE 1 SOLID WASTE COMPOST FACILITY (LAURINBURG,NC)</div> <div>(https://enviro.epa.gov/envirofacts/icis-npdes/report?facilityId=NCG240027)</div> <div>registry_id: 110071084274</div> <div>latitude: 34.76678</div> <div>longitude: -79.45177</div> <div>pgm_sys_acrnm: NPDES</div> <div>pgm_sys_id: NCG240027</div> <div>primary_name: CITY OF LAURINBURG TYPE 1 SOLID WASTE COMPOST FACILITY</div> <div>location_address: 600 HALL ST</div> <div>city_name: LAURINBURG</div> <div>county_name:</div> <div>state_code: NC</div> <div>epa_region: Region 04</div> <div>postal_code: 28352</div> <div>fips_code:</div> <div>huc_code:</div> <div>facility_url: https://enviro.epa.gov/envirofacts/icis-npdes/report?facilityId=NCG240027</div>	0.94 mile

Name	Distance
<input type="checkbox"/> LEITH CREEK WWTP INFLUENT PUMP STATION IMPROVEMENTS (LAURINBURG,NC) (https://enviro.epa.gov/envirofacts/icis-npdes/report?facilityId=NCC223960) registry_id: 110071910544 latitude: 34.766619 longitude: -79.452121 pgm_sys_acrnm: NPDES pgm_sys_id: NCC223960 primary_name: LEITH CREEK WWTP INFLUENT PUMP STATION IMPROVEMENTS location_address: 620 HALL STREET city_name: LAURINBURG county_name: state_code: NC epa_region: Region 04 postal_code: 28352 fips_code: huc_code: facility_url: https://enviro.epa.gov/envirofacts/icis-npdes/report?facilityId=NCC223960	0.95 mile
<input type="checkbox"/> CITY OF LAURINBURG TYPE 1 SOLID WASTE COMPOST FACILITY (LAURINBURG,NC) (https://enviro.epa.gov/envirofacts/icis-npdes/report?facilityId=NCC222831) registry_id: 110071917278 latitude: 34.769056 longitude: -79.451044 pgm_sys_acrnm: NPDES pgm_sys_id: NCC222831 primary_name: CITY OF LAURINBURG TYPE 1 SOLID WASTE COMPOST FACILITY location_address: 503 HALL STREET city_name: LAURINBURG county_name: state_code: NC epa_region: Region 04 postal_code: 28352 fips_code: huc_code: facility_url: https://enviro.epa.gov/envirofacts/icis-npdes/report?facilityId=NCC222831	0.78 mile
<input type="checkbox"/> E CHURCH STREET (LAURINBURG,NC) (https://enviro.epa.gov/envirofacts/icis-npdes/report?facilityId=NCC242026) registry_id: 110071919620 latitude: 34.767 longitude: -79.4356 pgm_sys_acrnm: NPDES pgm_sys_id: NCC242026 primary_name: E CHURCH STREET location_address: EAST CHURCH STREET city_name: LAURINBURG county_name: state_code: NC epa_region: Region 04 postal_code: 28352 fips_code: huc_code: facility_url: https://enviro.epa.gov/envirofacts/icis-npdes/report?facilityId=NCC242026	0.92 mile

Report question: *Within 1 undefined of a Air emissions site? yes*

Modify question by entering a new buffer distance and unit for the selected study area:

1

miles

▼

Submit

Name	Distance
<div><input type="checkbox"/> CITY OF LAURINBURG YARD WASTE BURN SITE (LAURINBURG,NC) (https://enviro.epa.gov/envirofacts/icis-air/plant?facilityId=NC0000003708300110)</div> <div>registry_id: 110071084274</div> <div>latitude: 34.76678</div> <div>longitude: -79.45177</div> <div>pgm_sys_acrnm: AIR</div> <div>pgm_sys_id: NC0000003708300110</div> <div>primary_name: CITY OF LAURINBURG YARD WASTE BURN SITE</div> <div>location_address: 600 HALL STREET</div> <div>city_name: LAURINBURG</div> <div>county_name:</div> <div>state_code: NC</div> <div>epa_region: Region 04</div> <div>postal_code: 28352</div> <div>fips_code:</div> <div>huc_code:</div> <div>facility_url: https://enviro.epa.gov/envirofacts/icis-air/plant?facilityId=NC0000003708300110</div>	0.94 mile

Report question: *Within 1 undefined of a Hazardous waste site? yes*

Modify question by entering a new buffer distance and unit for the selected study area:

1

miles

▼

Submit

Name	Distance
<div><input type="checkbox"/> WAVERLY MILLS INC (LAURINBURG,NC) (https://enviro.epa.gov/envirofacts/rcrainfo/facility?</div> <div>handlerId=NCD981869167)</div> <div>registry_id: 110001497381</div> <div>latitude: 34.770738</div> <div>longitude: -79.446391</div> <div>pgm_sys_acrn: RCRAINFO</div> <div>pgm_sys_id: NCD981869167</div> <div>primary_name: WAVERLY MILLS INC</div> <div>location_address: 23 THIRD ST</div> <div>city_name: LAURINBURG</div> <div>county_name: SCOTLAND</div> <div>state_code: NC</div> <div>epa_region: Region 04</div> <div>postal_code: 28352</div> <div>fips_code:</div> <div>huc_code:</div> <div>facility_url: https://enviro.epa.gov/envirofacts/rcrainfo/facility?handlerId=NCD981869167</div>	0.56 mile

Name	Distance
<input type="checkbox"/> RONNIE S SANITATION SERVICE (LAURINBURG,NC) (https://enviro.epa.gov/envirofacts/rcrainfo/facility?handlerId=NCD075570119) registry_id: 110004020390 latitude: 34.78611 longitude: -79.44879 pgm_sys_acrnm: RCRAINFO pgm_sys_id: NCD075570119 primary_name: RONNIE S SANITATION SERVICE location_address: 1016 DELUCA ST city_name: LAURINBURG county_name: SCOTLAND state_code: NC epa_region: Region 04 postal_code: 28352 fips_code: huc_code: facility_url: https://enviro.epa.gov/envirofacts/rcrainfo/facility?handlerId=NCD075570119	0.37 mile
<input type="checkbox"/> BILLS CLEANERS (LAURINBURG,NC) (https://enviro.epa.gov/envirofacts/rcrainfo/facility?handlerId=NCD982108870) registry_id: 110004032010 latitude: 34.78253 longitude: -79.458096 pgm_sys_acrnm: RCRAINFO pgm_sys_id: NCD982108870 primary_name: BILLS CLEANERS location_address: 526 N MAIN ST city_name: LAURINBURG county_name: SCOTLAND state_code: NC epa_region: Region 04 postal_code: 28352 fips_code: huc_code: facility_url: https://enviro.epa.gov/envirofacts/rcrainfo/facility?handlerId=NCD982108870	0.69 mile
<input type="checkbox"/> BILLS PAINT AUTO REPAIR (LAURINBURG,NC) (https://enviro.epa.gov/envirofacts/rcrainfo/facility?handlerId=NCD982142135) registry_id: 110004035160 latitude: 34.77204 longitude: -79.4437 pgm_sys_acrnm: RCRAINFO pgm_sys_id: NCD982142135 primary_name: BILLS PAINT AUTO REPAIR location_address: 105 SANFORD RD city_name: LAURINBURG county_name: SCOTLAND state_code: NC epa_region: Region 04 postal_code: 28352 fips_code: huc_code: facility_url: https://enviro.epa.gov/envirofacts/rcrainfo/facility?handlerId=NCD982142135	0.45 mile

Name	Distance
<input type="checkbox"/> LARRY S AUTO SALES (LAURINBURG,NC) (https://enviro.epa.gov/envirofacts/rcrainfo/facility?handlerId=NCD982165227) registry_id: 110004037239 latitude: 34.78149 longitude: -79.45882 pgm_sys_acrnm: RCRAINFO pgm_sys_id: NCD982165227 primary_name: LARRY S AUTO SALES location_address: 406 N MAIN ST city_name: LAURINBURG county_name: SCOTLAND state_code: NC epa_region: Region 04 postal_code: 28352 fips_code: huc_code: facility_url: https://enviro.epa.gov/envirofacts/rcrainfo/facility?handlerId=NCD982165227	0.73 mile
<input type="checkbox"/> YORK FURNITURE REPAIRS (LAURINBURG,NC) (https://enviro.epa.gov/envirofacts/rcrainfo/facility?handlerId=NCR000000067) registry_id: 110004051908 latitude: 34.777806 longitude: -79.460673 pgm_sys_acrnm: RCRAINFO pgm_sys_id: NCR000000067 primary_name: YORK FURNITURE REPAIRS location_address: 110 BIZZELL ST city_name: LAURINBURG county_name: SCOTLAND state_code: NC epa_region: Region 04 postal_code: 28353 fips_code: huc_code: facility_url: https://enviro.epa.gov/envirofacts/rcrainfo/facility?handlerId=NCR000000067	0.87 mile
<input type="checkbox"/> PEE DEE TIMBER CO (LAURINBURG,NC) (https://enviro.epa.gov/envirofacts/rcrainfo/facility?handlerId=NCD982080152) registry_id: 110018519370 latitude: 34.77849 longitude: -79.46245 pgm_sys_acrnm: RCRAINFO pgm_sys_id: NCD982080152 primary_name: PEE DEE TIMBER CO location_address: 230 W BIZZELL ST city_name: LAURINBURG county_name: SCOTLAND state_code: NC epa_region: Region 04 postal_code: 28352 fips_code: huc_code: facility_url: https://enviro.epa.gov/envirofacts/rcrainfo/facility?handlerId=NCD982080152	0.95 mile

Name	Distance
<div> <input type="checkbox"/> KLWX INC (LAURENBURG,NC) (https://enviro.epa.gov/envirofacts/rcrainfo/facility?handlerId=NCS000001546) </div> <div>registry_id: 110041637887</div> <div>latitude: 34.77653</div> <div>longitude: -79.45823</div> <div>pgm_sys_acrnm: RCRAINFO</div> <div>pgm_sys_id: NCS000001546</div> <div>primary_name: KLWX INC</div> <div>location_address: 114 JAMES ST</div> <div>city_name: LAURENBURG</div> <div>county_name: SCOTLAND</div> <div>state_code: NC</div> <div>epa_region: Region 04</div> <div>postal_code: 28352</div> <div>fips_code:</div> <div>huc_code:</div> <div>facility_url: https://enviro.epa.gov/envirofacts/rcrainfo/facility?handlerId=NCS000001546</div>	0.77 mile

NEPAssist Report

I. Ellis Johnson - EPA Facilities with 0.5-mile Radius



May 28, 2025

Project Buffer

I. Ellis Johnson - EPA Facilities with 0.5-mile Radius

1:27,971

0 0.28 0.55 1.1 mi
0 0.45 0.9 1.8 km

Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, (c) OpenStreetMap contributors, and the GIS User Community, Maxar

Input Coordinates: 34.781164,-79.445989,34.782224,-79.444094,34.778872,-79.443225,34.778591,-79.443673,34.781164,-79.445989

Project Area	0.02 sq mi
Within 0.5 miles of an Ozone 1-hr (1979 standard) Non-Attainment/Maintenance Area?	no
Within 0.5 miles of an Ozone 8-hr (1997 standard) Non-Attainment/Maintenance Area?	no
Within 0.5 miles of an Ozone 8-hr (2008 standard) Non-Attainment/Maintenance Area?	no
Within 0.5 miles of an Ozone 8-hr (2015 standard) Non-Attainment/Maintenance Area?	no
Within 0.5 miles of a Lead (2008 standard) Non-Attainment/Maintenance Area?	no
Within 0.5 miles of a SO2 1-hr (2010 standard) Non-Attainment/Maintenance Area?	no
Within 0.5 miles of a PM2.5 24hr (2006 standard) Non-Attainment/Maintenance Area?	no
Within 0.5 miles of a PM2.5 Annual (1997 standard) Non-Attainment/Maintenance Area?	no
Within 0.5 miles of a PM2.5 Annual (2012 standard) Non-Attainment/Maintenance Area?	no
Within 0.5 miles of a PM10 (1987 standard) Non-Attainment/Maintenance Area?	no
Within 0.5 miles of a CO Annual (1971 standard) Non-Attainment/Maintenance Area?	no
Within 0.5 miles of a NO2 Annual (1971 standard) Non-Attainment/Maintenance Area?	no
Within 0.5 miles of a Federal Land?	no
Within 0.5 miles of an impaired stream?	no
Within 0.5 miles of an impaired waterbody?	no
Within 0.5 miles of a waterbody?	no
Within 0.5 miles of a stream?	yes
Within 0.5 miles of an NWI wetland?	Available Online
Within 0.5 miles of a Brownfields site?	no

Within 0.5 miles of a Superfund site?	no
Within 0.5 miles of a Toxic Release Inventory (TRI) site?	no
Within 0.5 miles of a water discharger (NPDES)?	no
Within 0.5 miles of a hazardous waste (RCRA) facility?	yes
Within 0.5 miles of an air emission facility?	no
Within 0.5 miles of a school?	yes
Within 0.5 miles of an airport?	no
Within 0.5 miles of a hospital?	no
Within 0.5 miles of a designated sole source aquifer?	no
Within 0.5 miles of a historic property on the National Register of Historic Places?	no
Within 0.5 miles of a Chemical Data Reporting (CDR) site?	no
Within 0.5 miles of a Land Cession Boundary?	no
Within 0.5 miles of a tribal area (lower 48 states)?	no
Within 0.5 miles of the service area of a mitigation or conservation bank?	no
Within 0.5 miles of the service area of an In-Lieu-Fee Program?	yes
Within 0.5 miles of a Public Property Boundary of the Formerly Used Defense Sites?	no
Within 0.5 miles of a Munitions Response Site?	no
Within 0.5 miles of an Essential Fish Habitat (EFH)?	no
Within 0.5 miles of a Habitat Area of Particular Concern (HAPC)?	no
Within 0.5 miles of an EFH Area Protected from Fishing (EFHA)?	no
Within 0.5 miles of a Bureau of Land Management Area of Critical Environmental Concern?	no
Within 0.5 miles of an ESA-designated Critical Habitat Area per U.S. Fish & Wildlife Service?	no
Within 0.5 miles of an ESA-designated Critical Habitat river, stream or water feature per U.S. Fish & Wildlife Service?	no

Created on: 5/28/2025 2:23:43 PM

Report question: *Within 0.5 miles of a Hazardous waste site? yes*

Modify question by entering a new buffer distance and unit for the selected study area:

0.5

miles

▼

Submit

Name	Distance
<div><input type="checkbox"/> RONNIE S SANITATION SERVICE (LAURINBURG,NC) (https://enviro.epa.gov/envirofacts/rcrainfo/facility?handlerId=NCD075570119)</div> <div>registry_id: 110004020390</div> <div>latitude: 34.78611</div> <div>longitude: -79.44879</div> <div>pgm_sys_acrn: RCRAINFO</div> <div>pgm_sys_id: NCD075570119</div> <div>primary_name: RONNIE S SANITATION SERVICE</div> <div>location_address: 1016 DELUCA ST</div> <div>city_name: LAURINBURG</div> <div>county_name: SCOTLAND</div> <div>state_code: NC</div> <div>epa_region: Region 04</div> <div>postal_code: 28352</div> <div>fips_code:</div> <div>huc_code:</div> <div>facility_url: https://enviro.epa.gov/envirofacts/rcrainfo/facility?handlerId=NCD075570119</div>	0.37 miles

Name	Distance
<div> <input type="checkbox"/> BILL'S PAINT AUTO REPAIR (LAURINBURG,NC) (https://enviro.epa.gov/envirofacts/rcrainfo/facility?handlerId=NCD982142135) </div> <div>handlerId=NCD982142135)</div> <div>registry_id: 110004035160</div> <div>latitude: 34.77204</div> <div>longitude: -79.4437</div> <div>pgm_sys_acrnm: RCRAINFO</div> <div>pgm_sys_id: NCD982142135</div> <div>primary_name: BILL'S PAINT AUTO REPAIR</div> <div>location_address: 105 SANFORD RD</div> <div>city_name: LAURINBURG</div> <div>county_name: SCOTLAND</div> <div>state_code: NC</div> <div>epa_region: Region 04</div> <div>postal_code: 28352</div> <div>fips_code:</div> <div>huc_code:</div> <div>facility_url: https://enviro.epa.gov/envirofacts/rcrainfo/facility?handlerId=NCD982142135</div>	0.45 miles

RCRAInfo Facility

[Home <https://epa.gov/>](https://epa.gov/) | [Multisystem Search <https://epa.gov/envirofacts/multisystem/search>](https://epa.gov/envirofacts/multisystem/search) | [Topic Searches <https://www.epa.gov/enviro/topic-searches>](https://www.epa.gov/enviro/topic-searches)
| [System Data Searches <https://www.epa.gov/enviro/system-data-searches>](https://www.epa.gov/enviro/system-data-searches) | [About the Data <https://www.epa.gov/enviro/about-data>](https://www.epa.gov/enviro/about-data) | [Data Downloads
<https://www.epa.gov/enviro/data-downloads>](https://www.epa.gov/enviro/data-downloads) | [Widgets <https://www.epa.gov/enviro/widgets>](https://www.epa.gov/enviro/widgets) | [Services <https://www.epa.gov/enviro/web-services>](https://www.epa.gov/enviro/web-services) | [Mobile
<https://www.epa.gov/enviro/uv-index-mobile-app>](https://www.epa.gov/enviro/uv-index-mobile-app) | [Other Datasets <https://www.epa.gov/enviro/other-datasets>](https://www.epa.gov/enviro/other-datasets)

Facility Information

RONNIE`S SANITATION SERVICE

Handler ID: NCD075570119

1016 DELUCA ST

LAURINBURG, NC 28352

County Name: SCOTLAND

Latitude: 34.78611

Longitude: -79.44879

Hazardous Waste Generator:

Owner Name: HUCKABEE RONNIE

BIENNIAL REPORT SUMMARY

No Biennial Report data is available for the facility listed above.

LIST OF FACILITY CONTACTS

AME	STREET	CITY	STATE	ZIP CODE	PHONE	TYPE CONT
ONNIE UCKABEE	1016 DELUCA ST	LAURINBURG	NC	28352	910-276-5501	Public
ONNIE UCKABEE	1016 DELUCA ST	LAURINBURG	NC	28352	910-276-5501	Permit



HANDLER / FACILITY CLASSIFICATION

Unspecified Universe for the facility listed above.

HANDLER TYPE
Not in a universe

LIST OF PROCESS UNIT INFORMATION FOR GROUP

<https://epa.gov/envirofacts/metadata/table/rcra/rcr_pm_unit>

No Process Information is available for the facility listed above.

LIST OF NAICS CODES AND DESCRIPTIONS

No NAICS Codes are available for the facility listed above.

LIST OF WASTE CODES AND DESCRIPTIONS

WASTE CODE	WASTE DESCRIPTION
D001	IGNITABLE WASTE

Contact Us <<https://www.epa.gov/enviro/forms/contact-us-about-envirofacts>> to ask a question, provide feedback, or report a problem.

Last updated on March 6, 2025

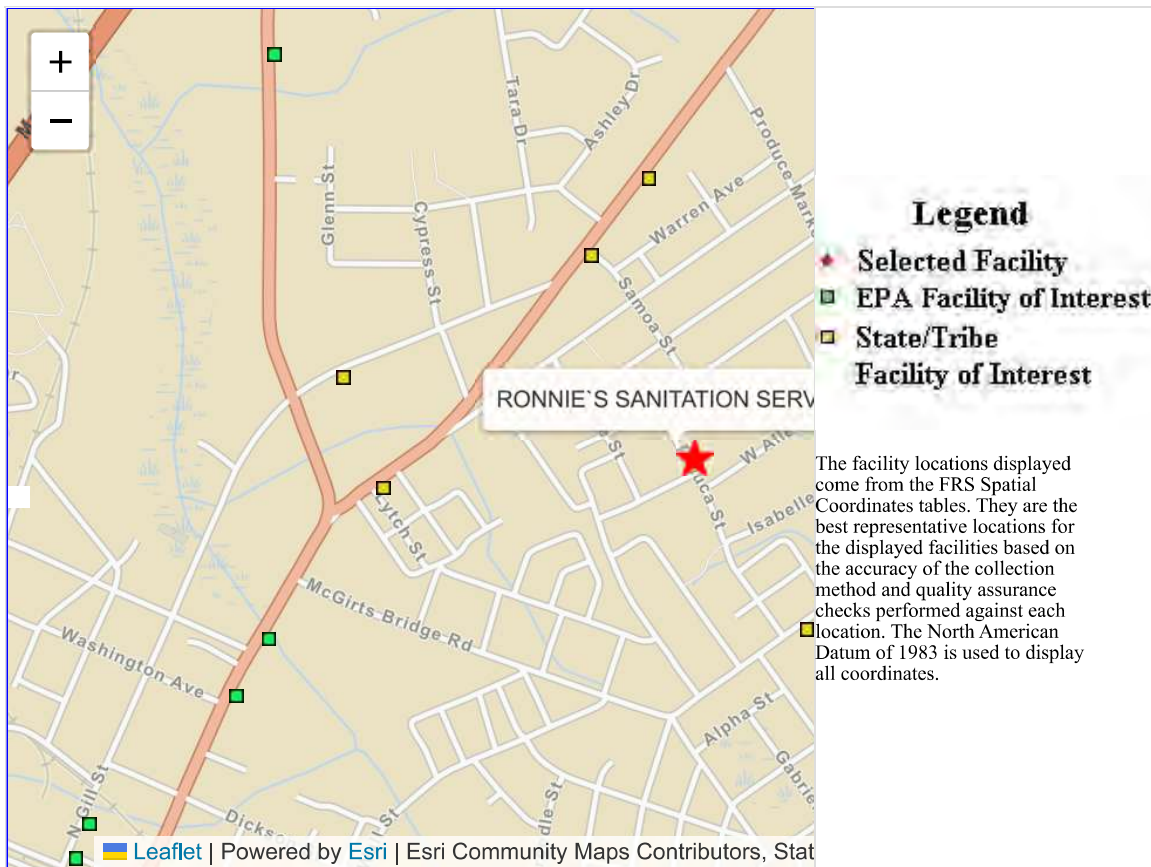
Related Topics: Envirofacts

FRS

FRS Facility Detail Report

RONNIE'S SANITATION SERVICE

EPA Registry Id: 110004020390
1016 DELUCA ST
LAURINBURG, NC 28352



Facility Registry Service Links:

- Facility Registry Service (FRS) Overview
- FRS Facility Query
- FRS Organization Query
- EZ Query
- FRS Physical Data Model
- FRS Geospatial Model

Environmental Interests												
Information System			System Facility Name		Information System Id/Report Link		Environmental Interest Type		Data Source	Last Updated Date	Supplemental Environmental Interests:	
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM			RONNIE'S SANITATION SERVICE		NCD075570119		UNSPECIFIED UNIVERSE (N)		RCRAINFO			
Additional EPA Reports:	MyEnvironment Enforcement and Compliance Facility Coordinates Viewer Watershed Report											
Standard Industrial Classification Codes (SIC)					National Industry Classification System Codes (NAICS)							
No SIC Codes returned.												
Facility Codes and Flags												
EPA Region:		04										
Duns Number:												
Congressional District Number:		08										
Legislative District Number:												
HUC Code/Watershed:		03040204 / LITTLE PEE DEE										
US Mexico Border Indicator:												
Federal Facility:		NO										
Tribal Land:		NO										
Alternative Names					Facility Mailing Addresses							
Alternative Name		Source of Data										
RONNIE'S SANITATION SERVICE		NOTIFICATION (RCRA)			No NAICS Codes returned.							
Organizations					Contacts							
Affiliation Type	Name	DUNS Number	Information System	Mailing Address								
OWNER	HUCKABEE RONNIE		RCRAINFO									

Query executed on: MAY-28-2025

Last updated on September 24, 2015



Detailed Facility Report

Facility Summary

RONNIE`S SANITATION SERVICE

1016 DELUCA ST, LAURINBURG, NC 28352

FRS (Facility Registry Service) ID: 110004020390

EPA Region: 04

Latitude: 34.78611

Longitude: -79.44879

Locational Data Source: FRS

Industries: --

Indian Country: N

Enforcement and Compliance Summary

Statute	RCRA
Compliance Monitoring Activities (5 years)	--
Date of Last Compliance Monitoring Activity	--
Compliance Status	No Violation Identified
Qtrs in Noncompliance (of 12)	0
Qtrs with Significant Violation	0
Informal Enforcement Actions (5 years)	--
Formal Enforcement Actions (5 years)	--
Penalties from Formal Enforcement Actions (5 years)	--
EPA Cases (5 years)	--
Penalties from EPA Cases (5 years)	--

Regulatory Information

Clean Air Act (CAA): No Information

Clean Water Act (CWA): No Information

Resource Conservation and Recovery Act (RCRA): Inactive Other, (NCD075570119)

Safe Drinking Water Act (SDWA): No Information

Go To Enforcement/Compliance Details

Known Data Problems <<https://epa.gov/resources/echo-data/known-data-problems>>

Other Regulatory Reports

Air Emissions Inventory (EIS): No Information

Greenhouse Gas Emissions (eGGRT): No Information

Toxic Releases (TRI): No Information

Compliance and Emissions Data Reporting Interface (CEDRI): No Information

Facility/System Characteristics

Facility/System Characteristics

System	Statute	Identifier	Universe	Status	Areas	Permit Expiration Date	Indian Country	Latitude	Longitude
FRS		110004020390					N	34.78611	-79.44879

System	Statute	Identifier	Universe	Status	Areas	Permit Expiration Date	Indian Country	Latitude	Longitude
RCRAInfo	RCRA	NCD075570119	Other	Inactive ()			N	34.786237	-79.448936

Facility Address

System	Statute	Identifier	Facility Name	Facility Address	Facility County
FRS		110004020390	RONNIE`S SANITATION SERVICE	1016 DELUCA ST, LAURINBURG, NC 28352	Scotland County
RCRAInfo	RCRA	NCD075570119	RONNIE`S SANITATION SERVICE	1016 DELUCA ST, LAURINBURG, NC 28352	Scotland County

Facility SIC (Standard Industrial Classification) Codes

System	Identifier	SIC Code	SIC Description
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No data records returned

Facility NAICS (North American Industry Classification System) Codes

System	Identifier	NAICS Code	NAICS Description
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No data records returned

Facility Tribe Information

Reservation Name	Tribe Name	EPA Tribal ID	Distance to Tribe (miles)
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No data records returned

Enforcement and Compliance

Compliance Monitoring History

Last 5 Years

Statute	Source ID	System	Activity Type	Compliance Monitoring Type	Lead Agency	Date	Finding (if applicable)
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No data records returned

Entries in italics are not included in ECHO's Compliance Monitoring Activity counts because they are not compliance monitoring strategy <<https://www.epa.gov/compliance/compliance-monitoring-programs>> activities or because they are not counted as inspections within EPA's Annual Results <<https://www.epa.gov/enforcement/enforcement-data-and-results>>.

Compliance Summary Data

Statute	Source ID	Current SNC (Significant Noncompliance)/HPV (High Priority Violation)	Current As Of	Qtrs with NC (Noncompliance) (of 12)	Data Last Refreshed
RCRA	NCD075570119	No	05/24/2025	0	05/23/2025

Three-Year Compliance History by Quarter

Statute	Program/Pollutant/Violation Type		QTR 1	QTR 2	QTR 3	QTR 4	QTR 5	QTR 6	QTR 7	QTR 8	QTR 9	QTR 10	QTR 11	QTR 12+
RCRA (Source ID: NCD075570119)			07/01-09/30/22	10/01-12/31/22	01/01-03/31/23	04/01-06/30/23	07/01-09/30/23	10/01-12/31/23	01/01-03/31/24	04/01-06/30/24	07/01-09/30/24	10/01-12/31/24	01/01-03/31/25	04/01-06/30/25
	Facility-Level Status		No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified
	Violation	Agency												

Informal Enforcement Actions

Last 5 Years

Statute	System	Source ID	Type of Action	Lead Agency	Date
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No data records returned

Entries in italics are not counted as "informal enforcement actions" in EPA policies pertaining to enforcement response tools.

Formal Enforcement Actions

Last 5 Years

Statute	System	Law/ Section	Source ID	Type of Action	Case No.	Lead Agency	Case Name	Issued/ Filed Date	Settlements/ Actions	Settlement/ Action Date	Federal Penalty Assessed	State/ Local Penalty Assessed	Penalty Amount Collected	SEP Value	Comp Action Cost
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No data records returned

Environmental Conditions

Watersheds

12-Digit WBD (Watershed Boundary Dataset) HUC (RAD (Reach Address Database))	WBD (Watershed Boundary Dataset) Subwatershed Name (RAD (Reach Address Database))	State Water Body Name (ICIS (Integrated Compliance Information System))	Beach Closures Within Last Year	Beach Closures Within Last Two Years	Pollutants Potentially Related to Impairment	Watershed with ESA (Endangered Species Act)-listed Aquatic Species?
------------------------------------------------------------------------------	-----------------------------------------------------------------------------------	-------------------------------------------------------------------------	---------------------------------	--------------------------------------	----------------------------------------------	---------------------------------------------------------------------

No data records returned

Assessed Waters From Latest State Submission (ATTAINS)

State	Report Cycle	Assessment Unit ID	Assessment Unit Name	Water Condition	Cause Groups Impaired	Drinking Water Use	Ecological Use	Fish Consumption Use	Recreation Use	Other Use
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No data records returned

Air Quality Nonattainment Areas

Pollutant	Within Nonattainment Status Area?	Nonattainment Status Applicable Standard(s)	Within Maintenance Status Area?	Maintenance Status Applicable Standard(s)
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No data records returned

Pollutants

Toxics Release Inventory History of Reported Chemicals Released or Transferred in Pounds per Year at Site

TRI Facility ID	Year	Air Emissions	Surface Water Discharges	Off-Site Transfers to POTWs (Publicly Owned Treatment Works)	Underground Injections	Disposal to Land	Total On-Site Releases	Total Off-Site Transfers
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No data records returned

Toxics Release Inventory Total Releases and Transfers in Pounds by Chemical and Year

Chemical Name

No data records returned

Community

Demographic Profile of Surrounding Area (1-Mile Radius)

This section provides demographic information regarding the community surrounding the facility. ECHO compliance data alone are not sufficient to determine whether violations at a particular facility had negative impacts on public health or the environment. Statistics are based upon the 2022 American Community Survey (ACS) 5-year Summary and are accurate to the extent that the facility latitude and longitude listed below are correct. Census boundaries and demographic data for U.S. Territories are based on the "2020 Island Areas Demographic Profiles" from the U.S. Census Bureau. EPA's spatial processing methodology considers the overlap between the selected radii and ACS census block groups in determining the demographics surrounding the facility. For more detail about this methodology, see the DFR Data Dictionary <<https://epa.gov/help/reports/dfr-data-dictionary#demographic>>.

General Statistics (ACS (American Community Survey))	
Total Persons	2,805
Population Density	899/sq.mi.
Housing Units in Area	1,142
Percent People of Color	85%
Households in Area	927
Households on Public Assistance	18
Persons With Low Income	1,921
Percent With Low Income	72%

Geography	
Radius of Selected Area	1 mi.
Center Latitude	34.78611
Center Longitude	-79.44879
Total Area	--
Land Area	100%
Water Area	0%

Income Breakdown (ACS (American Community Survey)) - Households (%)	
Less than \$15,000	262 (28.2%)
\$15,000 - \$25,000	212 (22.82%)
\$25,000 - \$50,000	236 (25.4%)
\$50,000 - \$75,000	82 (8.83%)
Greater than \$75,000	137 (14.75%)

Age Breakdown (ACS (American Community Survey)) - Persons (%)	
Children 5 years and younger	239 (9%)
Minors 17 years and younger	756 (27%)
Adults 18 years and older	2,050 (73%)
Seniors 65 years and older	463 (17%)

Race Breakdown (ACS (American Community Survey)) - Persons (%)	
White	456 (16%)
African-American	1,996 (71%)
Hispanic-Origin	72 (3%)
Asian	0 (0%)
Hawaiian/Pacific Islander	0 (0%)
American Indian	176 (6%)
Other/Multiracial	135 (5%)

Education Level (Persons 25 & older) (ACS (American Community Survey)) - Persons (%)	
Less than 9th Grade	152 (8.37%)
9th through 12th Grade	323 (17.8%)
High School Diploma	778 (42.87%)
Some College/2-year	305 (16.8%)
B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More	136 (7.49%)

RCRAInfo Facility

[Home <https://epa.gov/>](https://epa.gov/) | [Multisystem Search <https://epa.gov/envirofacts/multisystem/search>](https://epa.gov/envirofacts/multisystem/search) | [Topic Searches <https://www.epa.gov/enviro/topic-searches>](https://www.epa.gov/enviro/topic-searches) | [System Data Searches <https://www.epa.gov/enviro/system-data-searches>](https://www.epa.gov/enviro/system-data-searches) | [About the Data <https://www.epa.gov/enviro/about-data>](https://www.epa.gov/enviro/about-data) | [Data Downloads <https://www.epa.gov/enviro/data-downloads>](https://www.epa.gov/enviro/data-downloads) | [Widgets <https://www.epa.gov/enviro/widgets>](https://www.epa.gov/enviro/widgets) | [Services <https://www.epa.gov/enviro/web-services>](https://www.epa.gov/enviro/web-services) | [Mobile <https://www.epa.gov/enviro/uv-index-mobile-app>](https://www.epa.gov/enviro/uv-index-mobile-app) | [Other Datasets <https://www.epa.gov/enviro/other-datasets>](https://www.epa.gov/enviro/other-datasets)

Facility Information

BILLS PAINT & AUTO REPAIR

Handler ID: NCD982142135

105 SANFORD RD

LAURINBURG, NC 28352

County Name: SCOTLAND

Latitude: 34.77204

Longitude: -79.4437

Hazardous Waste Generator: Very Small Quantity Generator

Owner Name: SAFEWAY MOTORS INC.

BIENNIAL REPORT SUMMARY

No Biennial Report data is available for the facility listed above.

LIST OF FACILITY CONTACTS



NAME	STREET	CITY	STATE	ZIP CODE	PHONE	TYPE OF CONTACT
BILL NEW	105 SANFORD RD	LAURINBURG	NC	28352	910-276-4500	Public
BILL NEW	105 SANFORD RD	LAURINBURG	NC	28352	910-276-4500	Permit

HANDLER / FACILITY CLASSIFICATION

Unspecified Universe for the facility listed above.

No Handler information is available for the facility listed above.

LIST OF PROCESS UNIT INFORMATION FOR GROUP

No Process Information is available for the facility listed above.

LIST OF NAICS CODES AND DESCRIPTIONS

No NAICS Codes are available for the facility listed above.

LIST OF WASTE CODES AND DESCRIPTIONS

WASTE CODE	WASTE DESCRIPTION
F003	THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
F005	THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

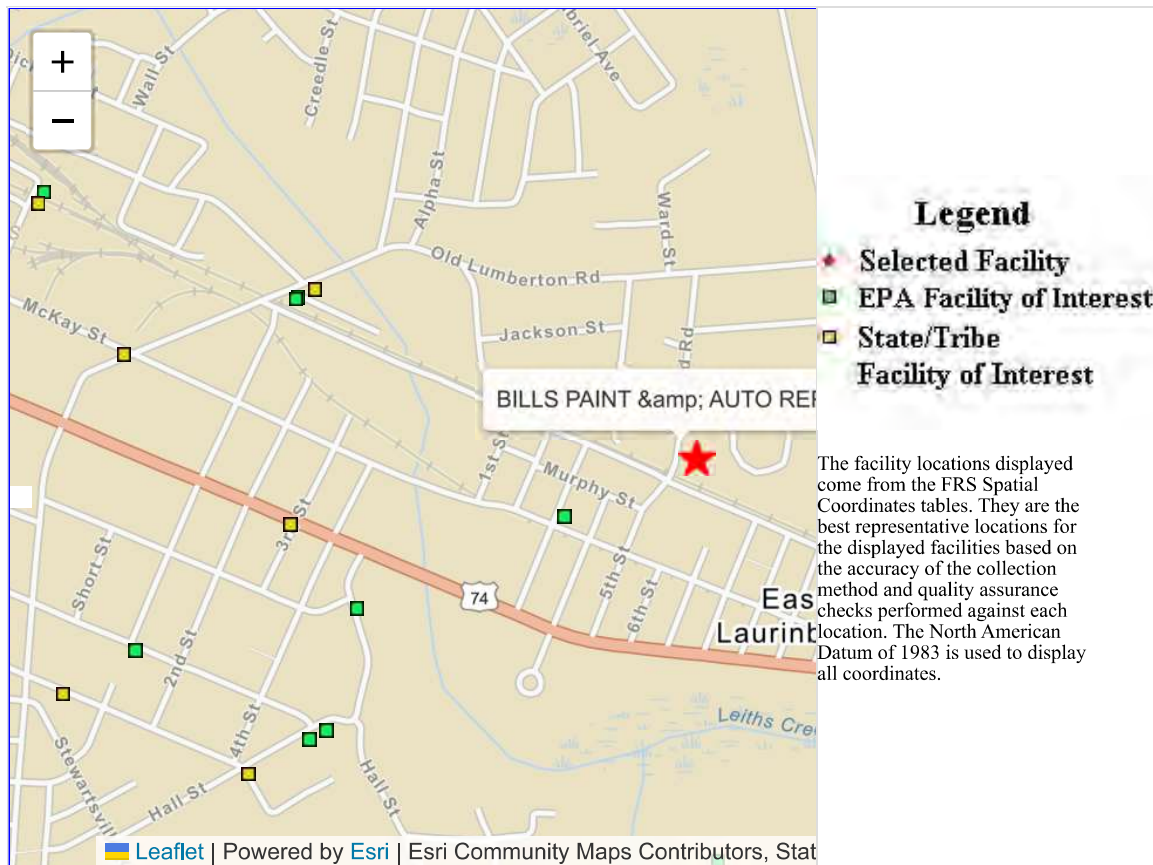
Related Topics: Envirofacts

FRS

FRS Facility Detail Report

BILLS PAINT & AUTO REPAIR

EPA Registry Id: 110004035160
105 SANFORD RD
LAURINBURG, NC 28352



Facility Registry Service Links:

- Facility Registry Service (FRS) Overview
- FRS Facility Query
- FRS Organization Query
- EZ Query
- FRS Physical Data Model
- FRS Geospatial Model

Environmental Interests

Information System		System Facility Name		Information System Id/Report Link		Environmental Interest Type		Data Source		Last Updated Date		Supplemental Environmental Interests:										
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM		BILLS PAINT & AUTO REPAIR		NCD982142135		VSQG (Y)		RCRAINFO														
Additional EPA Reports:		MyEnvironment Enforcement and Compliance Facility Coordinates Viewer Watershed Report																				
Standard Industrial Classification Codes (SIC)						National Industry Classification System Codes (NAICS)																
No SIC Codes returned.																						
Facility Codes and Flags																						
EPA Region:		04																				
Duns Number:																						
Congressional District Number:		08																				
Legislative District Number:																						
HUC Code/Watershed:		03040204 / LITTLE PEE DEE																				
US Mexico Border Indicator:																						
Federal Facility:		NO																				
Tribal Land:		NO																				
Alternative Names						Facility Mailing Addresses																
No Alternative Names returned.						No NAICS Codes returned.																
Organizations						Affiliation Type								Delivery Point		City Name		State	Postal Code		Information System	
						OWNER		SAFEWAY MOTORS INC.				RCRAINFO										

Query executed on: MAY-28-2025

Last updated on September 24, 2015



Detailed Facility Report

Facility Summary

BILLS PAINT & AUTO REPAIR

105 SANFORD RD, LAURINBURG, NC 28352

FRS (Facility Registry Service) ID: 110004035160

EPA Region: 04

Latitude: 34.77204

Longitude: -79.4437

Locational Data Source: FRS

Industries: --

Indian Country: N

Enforcement and Compliance Summary

Statute	RCRA
Compliance Monitoring Activities (5 years)	--
Date of Last Compliance Monitoring Activity	--
Compliance Status	No Violation Identified
Qtrs in Noncompliance (of 12)	0
Qtrs with Significant Violation	0
Informal Enforcement Actions (5 years)	--
Formal Enforcement Actions (5 years)	--
Penalties from Formal Enforcement Actions (5 years)	--
EPA Cases (5 years)	--
Penalties from EPA Cases (5 years)	--

Regulatory Information

Clean Air Act (CAA): No Information

Clean Water Act (CWA): No Information

Resource Conservation and Recovery Act (RCRA): Active VSQG, (NCD982142135)

Safe Drinking Water Act (SDWA): No Information

Go To Enforcement/Compliance Details

Known Data Problems <<https://epa.gov/resources/echo-data/known-data-problems>>

Other Regulatory Reports

Air Emissions Inventory (EIS): No Information

Greenhouse Gas Emissions (eGGRT): No Information

Toxic Releases (TRI): No Information

Compliance and Emissions Data Reporting Interface (CEDRI): No Information

Facility/System Characteristics

Facility/System Characteristics

System	Statute	Identifier	Universe	Status	Areas	Permit Expiration Date	Indian Country	Latitude	Longitude
FRS		110004035160					N	34.77204	-79.4437

System	Statute	Identifier	Universe	Status	Areas	Permit Expiration Date	Indian Country	Latitude	Longitude
RCRAInfo	RCRA	NCD982142135	VSQG	Active (H)			N	34.773175	-79.443549

Facility Address

System	Statute	Identifier	Facility Name	Facility Address	Facility County
FRS		110004035160	BILLS PAINT & AUTO REPAIR	105 SANFORD RD, LAURINBURG, NC 28352	Scotland County
RCRAInfo	RCRA	NCD982142135	BILLS PAINT & AUTO REPAIR	105 SANFORD RD, LAURINBURG, NC 28352	Scotland County

Facility SIC (Standard Industrial Classification) Codes

System	Identifier	SIC Code	SIC Description
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No data records returned

Facility NAICS (North American Industry Classification System) Codes

System	Identifier	NAICS Code	NAICS Description
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No data records returned

Facility Tribe Information

Reservation Name	Tribe Name	EPA Tribal ID	Distance to Tribe (miles)
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No data records returned

Enforcement and Compliance

Compliance Monitoring History

Last 5 Years

Statute	Source ID	System	Activity Type	Compliance Monitoring Type	Lead Agency	Date	Finding (if applicable)
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No data records returned

Entries in italics are not included in ECHO's Compliance Monitoring Activity counts because they are not compliance monitoring strategy <<https://www.epa.gov/compliance/compliance-monitoring-programs>> activities or because they are not counted as inspections within EPA's Annual Results <<https://www.epa.gov/enforcement/enforcement-data-and-results>>.

Compliance Summary Data

Statute	Source ID	Current SNC (Significant Noncompliance)/HPV (High Priority Violation)	Current As Of	Qtrs with NC (Noncompliance) (of 12)	Data Last Refreshed
RCRA	NCD982142135	No	05/24/2025	0	05/23/2025

Three-Year Compliance History by Quarter

Environmental Conditions

Watersheds

12-Digit WBD (Watershed Boundary Dataset) HUC (RAD (Reach Address Database))	WBD (Watershed Boundary Dataset) Subwatershed Name (RAD (Reach Address Database))	State Water Body Name (ICIS (Integrated Compliance Information System))	Beach Closures Within Last Year	Beach Closures Within Last Two Years	Pollutants Potentially Related to Impairment	Watershed with ESA (Endangered Species Act)-listed Aquatic Species?
------------------------------------------------------------------------------	-----------------------------------------------------------------------------------	-------------------------------------------------------------------------	---------------------------------	--------------------------------------	----------------------------------------------	---------------------------------------------------------------------

No data records returned

Assessed Waters From Latest State Submission (ATTAINS)

State	Report Cycle	Assessment Unit ID	Assessment Unit Name	Water Condition	Cause Groups Impaired	Drinking Water Use	Ecological Use	Fish Consumption Use	Recreation Use	Other Use
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No data records returned

Air Quality Nonattainment Areas

Pollutant	Within Nonattainment Status Area?	Nonattainment Status Applicable Standard(s)	Within Maintenance Status Area?	Maintenance Status Applicable Standard(s)
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No data records returned

Pollutants

Toxics Release Inventory History of Reported Chemicals Released or Transferred in Pounds per Year at Site

TRI Facility ID	Year	Air Emissions	Surface Water Discharges	Off-Site Transfers to POTWs (Publicly Owned Treatment Works)	Underground Injections	Disposal to Land	Total On-Site Releases	Total Off-Site Transfers
-----------------	------	---------------	--------------------------	--------------------------------------------------------------	------------------------	------------------	------------------------	--------------------------

No data records returned

Toxics Release Inventory Total Releases and Transfers in Pounds by Chemical and Year

Chemical Name

No data records returned

Community

Demographic Profile of Surrounding Area (1-Mile Radius)

This section provides demographic information regarding the community surrounding the facility. ECHO compliance data alone are not sufficient to determine whether violations at a particular facility had negative impacts on public health or the environment. Statistics are based upon the 2022 American Community Survey (ACS) 5-year Summary and are accurate to the extent that the facility latitude and longitude listed below are correct. Census boundaries and demographic data for U.S. Territories are based on the "2020 Island Areas Demographic Profiles" from the U.S. Census Bureau. EPA's spatial processing methodology considers the overlap between the selected radii and ACS census block groups in determining the demographics surrounding the facility. For more detail about this methodology, see the DFR Data Dictionary <<https://epa.gov/help/reports/dfr-data-dictionary#demographic>>.

General Statistics (ACS (American Community Survey))	
Total Persons	3,000
Population Density	965/sq.mi.
Housing Units in Area	1,242
Percent People of Color	81%
Households in Area	1,014
Households on Public Assistance	11
Persons With Low Income	2,100
Percent With Low Income	74%

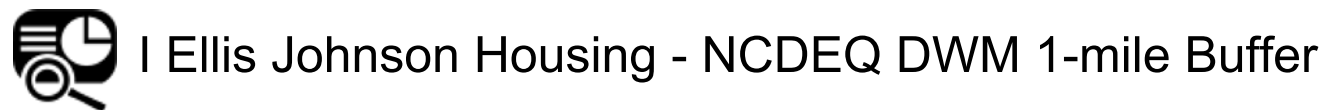
Geography	
Radius of Selected Area	1 mi.
Center Latitude	34.77204
Center Longitude	-79.4437
Total Area	--
Land Area	100%
Water Area	0%

Income Breakdown (ACS (American Community Survey)) - Households (%)	
Less than \$15,000	279 (27.51%)
\$15,000 - \$25,000	198 (19.53%)
\$25,000 - \$50,000	300 (29.59%)
\$50,000 - \$75,000	111 (10.95%)
Greater than \$75,000	126 (12.43%)

Age Breakdown (ACS (American Community Survey)) - Persons (%)	
Children 5 years and younger	249 (8%)
Minors 17 years and younger	831 (28%)
Adults 18 years and older	2,171 (72%)
Seniors 65 years and older	425 (14%)

Race Breakdown (ACS (American Community Survey)) - Persons (%)	
White	607 (20%)
African-American	1,740 (58%)
Hispanic-Origin	229 (8%)
Asian	3 (0%)
Hawaiian/Pacific Islander	0 (0%)
American Indian	318 (11%)
Other/Multiracial	153 (5%)

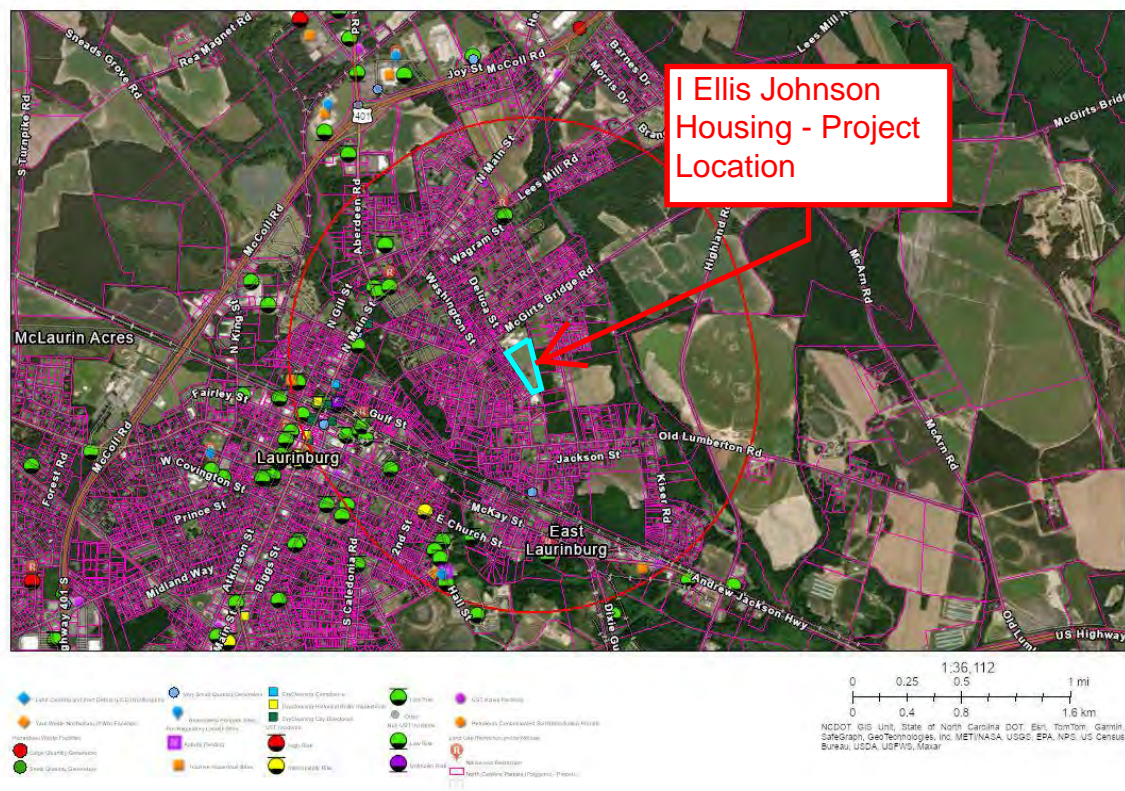
Education Level (Persons 25 & older) (ACS (American Community Survey)) - Persons (%)	
Less than 9th Grade	146 (7.82%)
9th through 12th Grade	359 (19.23%)
High School Diploma	874 (46.81%)
Some College/2-year	225 (12.05%)
B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More	95 (5.09%)



Area of Interest (AOI) Information

Area : 105,486,399.91 ft²

Nov 27 2024 9:44:15 Eastern Standard Time



** Unable to analyze, maximum record count has been reached.*

Hazardous Waste Facilities

#	FACILITY ID	HANDLER_NAME	Count
1	NCD982108870	BILLS CLEANERS	1
2	NCD982142135	BILLS PAINT & AUTO REPAIR	1
3	NCD982168288	SOUTHERN CLEANERS	1

Inactive Hazardous Sites

#	EPAID	SITENAME	Count
1	NCD982080152	PEE DEE TIMBER CO	1
2	NONCD0003296	EAST CHURCH ST CONTAMINATION	1

UST Incidents

#	IncidentNumber	IncidentName	Count
1	6428	OLD QUICK TRIP STORE	1
2	6765	COX EXXON	1
3	7515	CITY OF LAURINBURG GARAGE	1
4	7767	MAIN STREET EXXON	1
5	9900	CARROLL'S FOODS, INC.	1
6	11639	ROB'S C STORE - QUICK STOP 46	1
7	12741	COVINGTON REDI-MIX	1
8	14741	NORTH MAIN-FORMER EXXON STATION	1
9	19708	NORTH LAURINBURG ELE. SCHOOL	1
10	22848	SERVCO 02611	1
11	29106	PATTY LEAR PROPERTY	1
12	29553	NORTH MAIN SERVICE CENTER	1
13	29667	KLWX (RAILROAD DIESEL SHOP)	1
14	29681	CITY OF LAURINBURG PUBLIC WORKS	1
15	29868	NORTH MAIN TEXACO	1
16	29875	CITY OF LAURINBURG PUBLIC WORKS	1
17	29993	LAURINBURG FOOD MART	1
18	29996	COMMUNITY MART	1
19	42089	WACCAMAW OVERFILL - NIC'S #2	1
20	42276	Former Pageboy Salon & Urban Spa Inc	1
21	48845	LAURINBURG FOOD MART	1
22	48861	COMMUNITY MART	1
23	No Data	MCCORMICK FARM	1
24	No Data	LAURINGBURG MILLING FACILITY	1
25	No Data	MINI MART	1

Non-UST Incidents

#	IncidentNumber	IncidentName	Count
1	90139	B&B RADIATORS	1
2	<i>No Data</i>	City Of LBG Sub-Station Transformer	1

UST Active Facilities

#	FACILID	FACILNAME	Count
1	00-0-0000000349	COUNTRY CLUB SELF SERVICE	1
2	00-0-0000000968	ED'S TIRE	1
3	00-0-0000008045	CITY OF LAURINBURG	1
4	00-0-0000008196	EASTERLINS GROCERY	1
5	00-0-0000008343	COX EXXON	1
6	00-0-0000008494	SPEED MART	1
7	00-0-0000009177	PHILLIPS 66 COMPANY #025815	1
8	00-0-0000009375	LAURINBURG FOOD MART	1
9	00-0-0000021780	NIC'S PIC KWIK 2	1
10	00-0-0000023417	COMMUNITY MART	1



I Ellis Johnson Housing - NCDEQ DWM 0.5-mile Buffer

Area of Interest (AOI) Information

Area : 30,722,055.44 ft²

Nov 27 2024 9:38:01 Eastern Standard Time



Hazardous Waste Facilities

#	FACILITY ID	HANDLER_NAME	Count
1	NCD982142135	BILLS PAINT & AUTO REPAIR	1

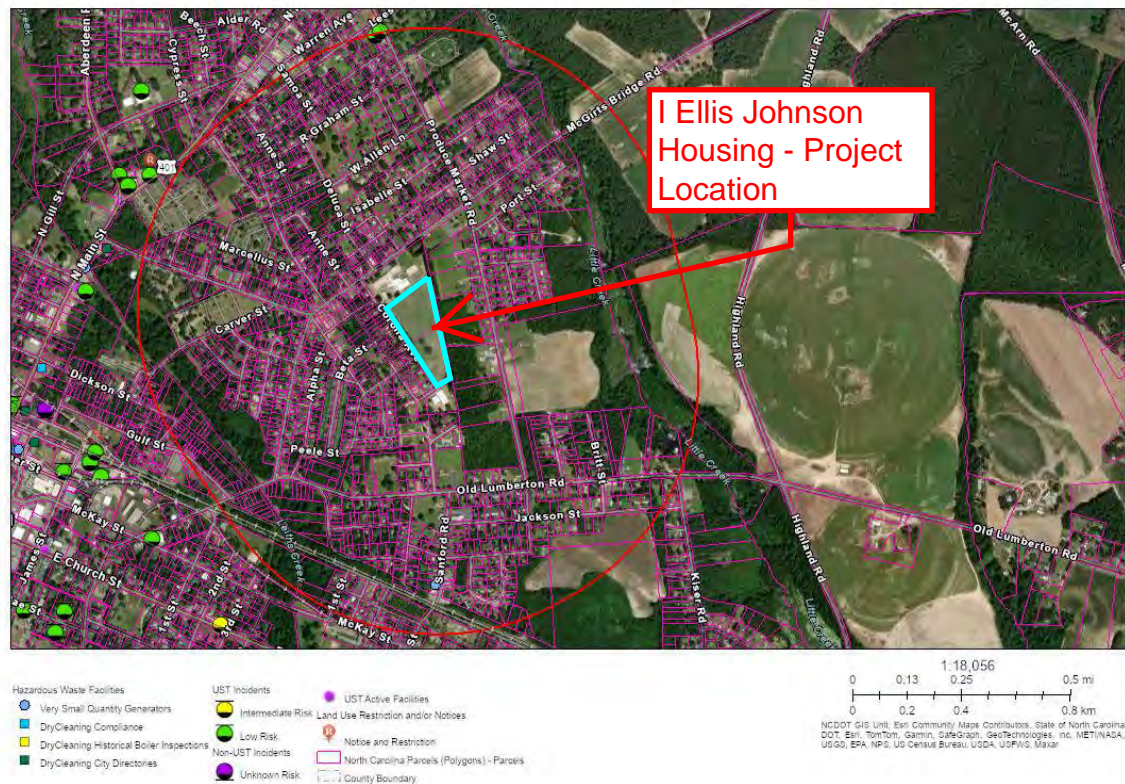


I Ellis Johnson Housing - NCDEQ DWM 3,000-foot Buffer

Area of Interest (AOI) Information

Area : 38,306,253.18 ft²

Nov 27 2024 9:03:36 Eastern Standard Time



Hazardous Waste Facilities

#	FACILITY ID	HANDLER_NAME	Count
1	NCD982142135	BILLS PAINT & AUTO REPAIR	1

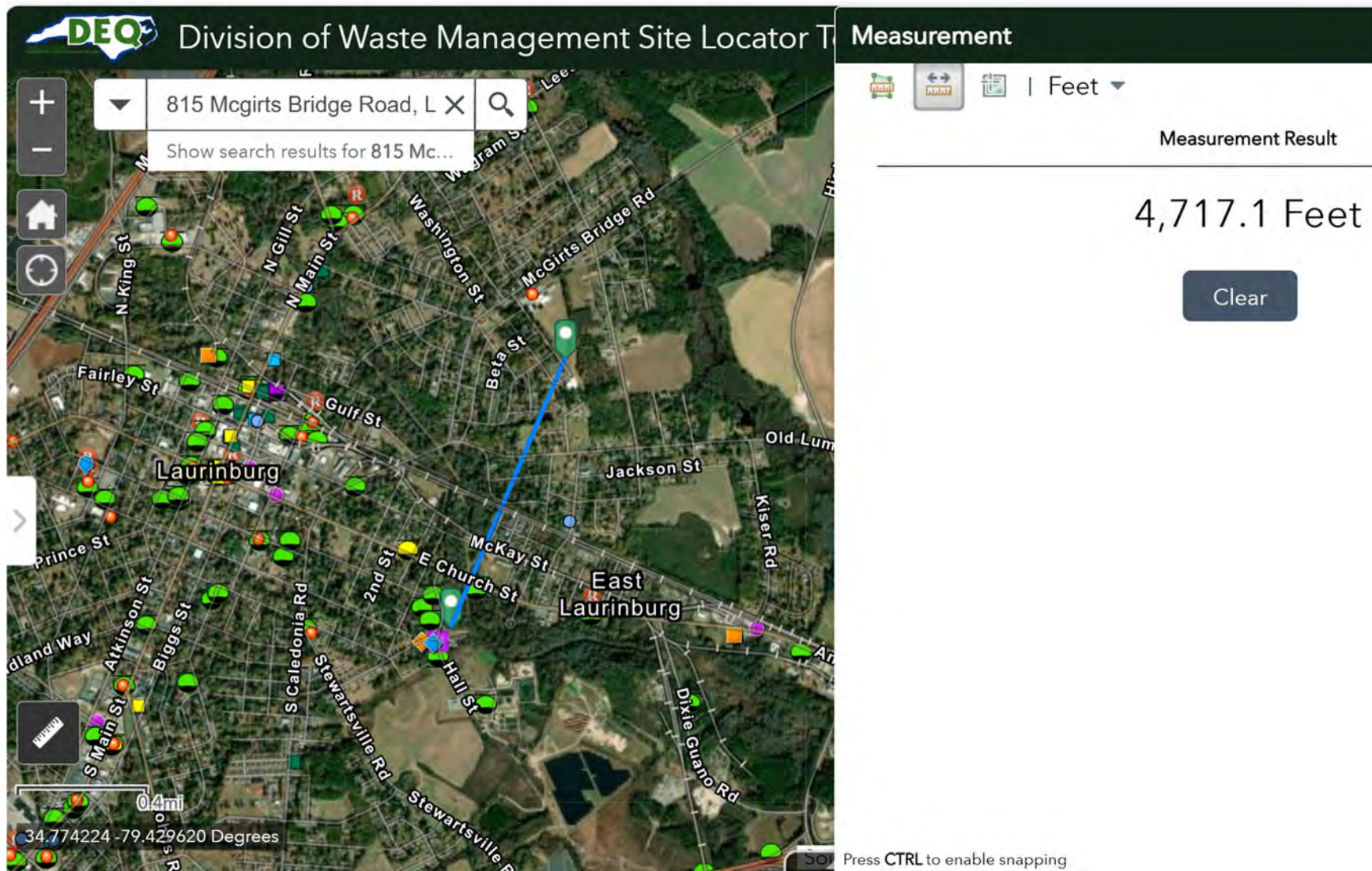
UST Incidents

#	IncidentNumber	IncidentName	Count
1	29993	LAURINBURG FOOD MART	1

Land Use Restriction and/or Notices

#	Prj_Number	Prj_Name	Count
1	FA-7704	LAURINBURG FOOD MART	1

I. Ellis Johnson – NC DEQ DWM Map with Distance to Laurinburg Dump



TO: Memo to File

FROM: Analee Thornburg

DATE: 8 January 2020

RE: **Statewide Well Sampling**
Laurinburg Dump
NONCD0000565
Scotland COUNTY

The PRLF Program reviewed existing site specific data for each cataloged site in the Program's database to identify those having potable wells within 1,000 feet of the estimated landfill boundary. The Division's Site Locator Tool and information on file (e.g. location reports, investigation reports, etc. on Laserfiche) were used to determine the estimated landfill boundary and associated 1,000-foot buffer. All parcels within the 1,000-foot buffer were screened for the type of water source potentially utilized (i.e. public water vs well water).

Using the Scotland County's GIS website, all parcels within the 1,000-foot buffer of the PRLF estimated boundary were selected, and parcel information including PIN, physical location, owner, and owner mailing address was collected (87 total parcels within 1,000 feet). Because structures such as a house or building could potentially be connected to public water, parcel development was determined using the most recent aerial photography available on Scotland County's GIS website (54 developed parcels with 1,000 feet).

Parcels with active utility accounts are likely using public water and not well water. Thus, a list of developed parcels was emailed to all potential utility providers for the county (e.g. county water, city water, private public water suppliers) to determine which parcels were connected to public water (54 connections to public water).

No letters were mailed to property owners requesting permission for DWM to sample wells because all properties within the 1,000-foot buffer and are either undeveloped or have a public water hook-up.

A summary of this data is attached including response(s) from public utilities.

Property Owner	Physical Address	PIN	Property Owner Mailing Address				Public Water Connection
THOMPSON VINCENT	14420 SAYMON ST	010204 02010	9 SECOND STREET	LAURINBURG	NC	283520000	y
THOMPSON WILLIAM	14440 SAYMON ST	010204 02009	271 SCOTLAND COUNTY LINE RD	HAMLET	NC	283458227	y
PATE PAUL WILLIAM	14460 SAYMON ST	010204 02007	14460 SAYMON CIR	LAURINBURG	NC	283525708	y
ENGLISH FENCE & WINDOW INC	14480 SAYMON ST	010204 02006		LAURINBURG	NC	283524127	y
THOMPSON VINCENT	14482 SAYMON ST	010204 02015	9 2ND ST	LAURINBURG	NC	283525614	y
SPIVEY RALPH	16400 ANDREW JACKSON HWY	010204 02001		SANFORD	NC	273300000	y
PATE JAMES	16480 ANDREW JACKSON HWY	010204 02003	16480 ANDREW JACKSON HWY	LAURINBURG	NC	283525702	y
LOCKLEAR MELVIN S	16500 ANDREW JACKSON HWY	010204 02004	13658 NC HIGHWAY 53 W	WHITE OAK	NC	283999738	y
SCOTLAND COUNTY	16520 ANDREW JACKSON HWY	010204 02005		LAURINBURG	NC	283530000	y
PREVATT BRENDA &	16540 ANDREW JACKSON HWY	010204 02016		LAURINBURG	NC	283520000	y
WALLACE PEGGY	16560 ANDREW JACKSON HWY	010204 02017		HOUSTON	TX	770170000	y
PAUL CECIL	16580 ANDREW JACKSON HWY	010204 02018	PO BOX 21	GIBSON	NC	283430021	y
MCLEOD BRUNO	16600 ANDREW JACKSON HWY	010204 02019		GIBSON	NC	283430164	y
EAST LAURINBURG CHURCH OF GOD	16620 ANDREW JACKSON HWY	010204 02021	PO BOX 1954	LAURINBURG	NC	283531954	y
EAST LAURINBURG CHURCH OF GOD	16660 ANDREW JACKSON HWY	010204 02023	PO BOX 1954	LAURINBURG	NC	283531954	y
EAST LAURINBURG CHURCH OF GOD	16680 ANDREW JACKSON HWY	010204 02020	PO BOX 1954	LAURINBURG	NC	283531954	y
FIELDS MARTHA J	40 4TH ST	010204 01040	P O BOX 273	LAUREL HILL	NC	283510000	y
SMITH ROBERT LAMONT	41 4TH ST	010204 01042	PO BOX 254	RAEFORD	NC	283760254	y
SCOTT RUBY	503 FOURTH ST	010073 07009	9521 CEDAR DR	LAURINBURG	NC	283521429	y
TRICOR RESIDENTIAL HOLDINGS LLC	505 FOURTH ST	010073 07010	1000 MOUNTAIN VALLEY RD	AXTON	VA	240542818	y
PAINTER PAUL	512 FOURTH ST	010073 06002		LAURINBURG	NC	283530325	y
EMMANUEL TEMPLE OF	602 HALL ST	010073 15012	C/O BISHOP COOPER	LAURINBURG	NC	283524946	y
BODDIE JOHNNIE M GILLIS	606 HALL ST	010073 15010	907 ISABELLE ST	LAURINBURG	NC	283522837	y
WILLIAMS PATRICK	608 HALL ST	010073 15009	12780 SPRING BRANCH DR	LAURINBURG	NC	283521800	y
DOREN JOSEPH	61 5TH ST	010204 01048	13660 OLD STAGE RD	GIBSON	NC	283438248	y
ABDELAZIZ MANAL M	610 HALL ST	010073 15007	426 E COVINGTON ST	LAURINBURG	NC	28352	y
CLEAR DONALD	613 READ ST	010073 15021	PO BOX 1303	LAURINBURG	NC	283531303	y
WEAVER DANNIE	614 HALL ST	010073 15006		LAURINBURG	NC	283520000	y
BLACKWELL CLARENCE JAMES &	615 READ ST	010073 15019		GIBSON	NC	283438524	y
CLEAR DONALD	616 HALL ST	010073 15005	PO BOX 1303	LAURINBURG	NC	283531303	y
OXENDINE SYLVIA B	617 READ ST	010073 15016	11641 HOOPER DRIVE	LAURINBURG	NC	283520000	y
STRICKLAND ERVIN KENNEDY &WF	618 5TH ST	010204 01049	61 1/2 5TH ST	LAURINBURG	NC	283525621	y
RAY MARGARET RHYE	62 5TH ST	010204 01055	62 5TH ST	LAURINBURG	NC	283525600	y
RAY MARGARET RHYE	62 5TH ST	010204 01056	62 5TH ST	LAURINBURG	NC	283525600	y
VL INVESTMENTS LLC	621 E COVINGTON ST	010073 13009	5409 WHITE OAK DR	LUMBERTON	NC	283581128	y
VL INVESTMENTS LLC	622 E COVINGTON ST	010073 07014	5409 WHITE OAK DR	LUMBERTON	NC	283581128	y
MAYNOR INVESTMENTS LLC	622 E VANCE ST	010073 13014	5204 N FAYETTEVILLE ROAD	LUMBERTON	NC	28358	y
CLARK TRACEY (ESTATE)	623 E COVINGTON ST	010073 13010	619 E COVINGTON ST	LAURINBURG	NC	283524913	y
HORNE JOHN	623 READ ST	010073 15013	19261 HORNE RD	LAURINBURG	NC	283529135	y
VL INVESTMENTS LLC	624 E COVINGTON ST	010073 07013	5409 WHITE OAK DR	LUMBERTON	NC	283581128	y
PREMIER REAL ESTATE INC	624 E VANCE ST	010073 13013	PO BOX 1891	LAURINBURG	NC	283531891	y
WILLIAMS THOMAS	625 E COVINGTON ST	010073 13011	11640 HASTY RD	LAURINBURG	NC	283526910	y
FLOWERS B JUDSON & MOLLIE L	625 E VANCE ST	010073 17010		LAURINBURG	NC	283520000	y

Property Owner	Physical Address	PIN	Property Owner Mailing Address				Public Water Connection
PAINTER PATTIE WATTS	626 E COVINGTON ST	010073 07012	702 E COVINGTON ST	LAURINBURG	NC	283524924	y
TODD LINDA GAIL	626 E VANCE ST	010073 13012	710 WEST BLVD	LAURINBURG	NC	283520000	y
FIELDS MARTHA	63 5TH ST	010204 01050	PO BOX 273	LAUREL HILL	NC	283510273	y
ARCHER HAZEL RHYE (LF ESTATE)	64 5TH ST	010204 01057	PO BOX 2511	ALBEMARLE	NC	28002	y
CLARK HERBERT	65 5TH ST	010204 01051		LAURINBURG	NC	283526186	y
PAINTER PAUL	701 E COVINGTON ST	010073 14001		LAURINBURG	NC	283530325	y
PAINTER PAUL	702 E COVINGTON ST	010073 06003		LAURINBURG	NC	283530325	y
QUICK JOYCE	709 E COVINGTON ST	010073 14003	5038 WOODRUN ON TILLERY	MOUNT GILEAD	NC	273069541	y
PATE PAUL	712 E COVINGTON ST	010073 06004		LAURINBURG	NC	283525708	y
ALFORD JOHN W	713 E COVINGTON ST	010073 14004	11640 AZALEA DR	LAURINBURG	NC	283527902	y
LAURINBURG CITY OF	SITE PROPERTY - 500-600 HALL ST	010245 01001		LAURINBURG	NC	283520000	y
WAVERLY MILLS	undeveloped	010053 07079	7401 CARMEL EXECUTIVE PARK DR	CHARLOTTE	NC	282268275	
PAINTER PAUL	undeveloped	010073 06001		LAURINBURG	NC	283530325	
QUICK JOYCE	undeveloped	010073 14002	5038 WOODRUN ON TILLERY	MOUNT GILEAD	NC	273069541	
PAINTER PAUL	undeveloped	010073 14005		LAURINBURG	NC	283530325	
PAINTER PAUL	undeveloped	010073 14006		LAURINBURG	NC	283530325	
CLEAR DONALD	undeveloped	010073 15001	PO BOX 1303	LAURINBURG	NC	283531303	
CLEAR DONALD	undeveloped	010073 15003	PO BOX 1303	LAURINBURG	NC	283531303	
WEATHERFORD MARGARET	undeveloped	010073 15011		LAURINBURG	NC	283520000	
HORNE JOHN	undeveloped	010073 15014	19261 HORNE RD	LAURINBURG	NC	283529135	
OXENDINE SYLVIA B	undeveloped	010073 15015	11641 HOOPER DRIVE	LAURINBURG	NC	283520000	
BLACKWELL CLARENCE JAMES &	undeveloped	010073 15018		GIBSON	NC	283438524	
CLEAR DONALD	undeveloped	010073 15023	PO BOX 1303	LAURINBURG	NC	283531303	
HOUSING AUTHORITY	undeveloped	010073 16001	P O BOX 1437	LAURINBURG	NC	283530000	
CLEAR DONALD	undeveloped	010073 16002	PO BOX 1303	LAURINBURG	NC	283531303	
CLEAR DONALD	undeveloped	010073 16003	PO BOX 1303	LAURINBURG	NC	283531303	
TOWN OF EAST LAURINBURG	undeveloped	010204 01028	P O BOX 1106	EAST LAURINBURG	NC	283530000	
TOWN OF EAST LAURINBURG	undeveloped	010204 01033	P O BOX 1106	EAST LAURINBURG	NC	283530000	
SMITH ROBERT LAMONT	undeveloped	010204 01041	PO BOX 254	RAEFORD	NC	283760254	
SMITH ROBERT LAMONT	undeveloped	010204 01043	PO BOX 254	RAEFORD	NC	283760254	
EAST LAURINBURG CHURCH OF GOD	undeveloped	010204 01060	PO BOX 1954	LAURINBURG	NC	283531954	
EAST LAURINBURG CHURCH OF GOD	undeveloped	010204 01066	PO BOX 1954	LAURINBURG	NC	283531954	
ROCKINGHAM DISTRICT PARTNERS	undeveloped	010204 01149	c/o PARTNERS IN MINISTRY BILLIN	LAURINBURG	NC	283531621	
PATE JAMES	undeveloped	010204 02002	16480 ANDREW JACKSON HWY	LAURINBURG	NC	283525702	
PATE PAUL WILLIAM	undeveloped	010204 02008	14460 SAYMON CIR	LAURINBURG	NC	283525708	
CLEAR DONALD	undeveloped	010204 02011	PO BOX 1303	LAURINBURG	NC	283531303	
ENGLISH FENCE & WINDOW INC	undeveloped	010204 02012		LAURINBURG	NC	283524127	
ENGLISH FENCE & WINDOW INC	undeveloped	010204 02013		LAURINBURG	NC	283524127	
WALLACE PEGGY	undeveloped	010204 02014		HOUSTON	TX	770170000	
EAST LAURINBURG CHURCH OF GOD	undeveloped	010204 02022	PO BOX 1954	LAURINBURG	NC	283531954	
WAVERLY MILLS	undeveloped	010204 02024	7401 CARMEL EXECUTIVE PARK DR	CHARLOTTE	NC	282268275	
CAMPBELL DANIEL	undeveloped	010204 02026	500 RAYMOND CIR	LAURINBURG	NC	283525227	
LAURINBURG CITY	undeveloped	010245 01002		LAURINBURG	NC	283530000	
LAURINBURG CITY OF	undeveloped	010245 01003		LAURINBURG	NC	283520000	

[External] Re: Scotland County Public Water Information Request

Town of Gibson <towngibson@yahoo.com>

Tue 11/26/2019 1:42 PM

To: Thornburg, Analee H <analee.thornburg@ncdenr.gov>

CAUTION: External email. Do not click links or open attachments unless you verify. Send all suspicious email as an attachment to report.spam@nc.gov

None of these addresses are within the town limits of Gibson and none of these addresses are connected to the Town's water system.

Thanks,

Angela Hunsucker
Town Clerk
PH: (910) 268-4291
FX: (910) 268-4295
EM: towngibson@yahoo.com

On Monday, November 25, 2019, 11:29:53 AM EST, Thornburg, Analee H <analee.thornburg@ncdenr.gov> wrote:

The Inactive Hazardous Sites Branch of North Carolina Department of Environmental Quality is conducting an investigation of water supply wells near pre-regulatory landfills in Scotland County. As part of this investigation, the North Carolina Division of Waste Management would like to know which parcels within the investigation area are connected to public water.

Thus, the Division is requesting that you or someone in your utility department(s) note on the attached list which of these residences/properties are currently connected to your public water system.

This is needed as soon as possible, as we are waiting for your response to determine which properties may have private wells for sampling. Your prompt attention is very much appreciated. If there is any way I can help you with this, please let me know.

Analee Thornburg, Hydrogeologist
Inactive Hazardous Sites Branch, Superfund Section
NCDEQ, Division of Waste Management
1646 Mail Service Center
Raleigh, NC 27699-1646
(919) 707-8227 phone and fax
analee.thornburg@ncdenr.gov

[External] FW: Scot Co Public Water Info**barbara haywood** <bhaywood@laurinburg.org>

Tue 11/26/2019 3:30 PM

To: 'Charles Nichols' <cnichols@laurinburg.org>**Cc:** Thornburg, Analee H <analee.thornburg@ncdenr.gov> 1 attachments (54 KB)

SCOTLAND COUNTY PUBLIC WATER INFORMATION REQUEST.xls;

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If you need any more information just let me know.

Thanks,
Barbara P. Haywood
Customer Service Manager
City of Laurinburg
910-291-1737

From: flambert@laurinburg.org [mailto:flambert@laurinburg.org]**Sent:** Tuesday, November 26, 2019 2:27 PM**To:** Barbra Haywood <bhaywood@laurinburg.org>**Subject:** Scot Co Public Water Info

[External] Re: Scotland County Public Water Information Request**Kevin Patterson** <kpatterson@scotlandcounty.org>

Thu 12/19/2019 9:49 AM

To: Thornburg, Analee H <analee.thornburg@ncdenr.gov>**Cc:** scalehouse@scotlandcounty.org <scalehouse@scotlandcounty.org> 1 attachments (62 KB)

SCOTLAND COUNTY PUBLIC WATER INFORMATION REQUEST.xls;

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On Mon, Dec 16, 2019 at 11:39 AM Thornburg, Analee H <analee.thornburg@ncdenr.gov> wrote:

The Inactive Hazardous Sites Branch of North Carolina Department of Environmental Quality is conducting an investigation of water supply wells near pre-regulatory landfills in Scotland County. As part of this investigation, the North Carolina Division of Waste Management would like to know which parcels within the investigation area are connected to public water.

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This is needed as soon as possible, as we are waiting for your response to determine which properties may have private wells for sampling. Your prompt attention is very much appreciated. If there is any way I can help you with this, please let me know.

Analee Thornburg, Hydrogeologist
Inactive Hazardous Sites Branch, Superfund Section
NCDEQ, Division of Waste Management
1646 Mail Service Center
Raleigh, NC 27699-1646
(919) 707-8227 phone and fax
analee.thornburg@ncdenr.gov

--

Kevin Patterson
Scotland County Manager

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ROY COOPER

Governor

ELIZABETH S. BISER

Secretary

MICHAEL SCOTT

Director



NORTH CAROLINA
Environmental Quality

August 6, 2024

Via U.S. Mail

Mr. Brian Clodfelter
Rhetson Companies, Inc.
2075 Juniper Lake Road
West End, NC 27376

Re: **NOTICE OF REC PROGRAM ELIGIBILITY**
EAST CHURCH ST CONTAMINATION
East Church St. (Scotland County Parcel ID 01020501002
Laurinburg, Scotland County, NC
IHSB ID#: NONCD0003296

Dear Mr. Clodfelter:

On June 11, 2024, the Division of Waste Management's Inactive Hazardous Sites Branch (Branch) received the February 2024, "Phase II Environmental Site Assessment (Report)," prepared by Apex, for the above referenced site (Site). This Report indicates that various metals have been detected in groundwater samples collected from the Site at concentrations exceeding the 15A NCAC 2L Groundwater Standards. After reviewing this Report and the information available in our files, the Branch has determined that the Site is eligible for an approved cleanup through the Registered Environmental Consultant (REC) Program without direct oversight by Branch staff. Only the sites with the highest risks receive direct oversight by Branch staff.

To participate in the REC Program, you must hire a private environmental consulting or engineering firm approved by the Department to implement and oversee the remedial action and enter into an administrative agreement (AA) with the Branch. Sites undergoing cleanups under a REC-AA are not included on the Inactive Hazardous Waste Sites Priority List and, if certain criteria are met, a party can conduct a more expedient, lower-cost cleanup to less stringent, risk-based standards using land-use controls. If you would like a list of approved RECs or have any questions regarding these procedures or the REC Program, please contact Dianne Thomas at (919) 707-8348 or visit the REC Program website at <http://deq.nc.gov/about/divisions/waste-management/superfund-section/registered-environment-consultant-program>.



North Carolina Department of Environmental Quality | Division of Waste Management
217 West Jones Street | 1646 Mail Service Center | Raleigh, North Carolina 27699-1646
919.707.8200

If you choose not to participate in the REC Program, you may perform remedial activities independently and request a no-further-action (NFA) review from the Branch when cleanup levels for unrestricted property use are met in all contaminated media. Since independent cleanups do not receive direct Branch oversight and approval throughout the process, remedial activities should be performed in accordance with the most recent version of the Branch's *Guidelines for Assessment and Cleanup of Contaminated Sites* found here: <https://www.deq.nc.gov/about/divisions/waste-management/program-guidance/inactive-hazardous-sites-guidance-documents>. Please note that the horizontal and vertical extent of contamination must be fully delineated so that remedial action monitoring and confirmation samples are collected from proper location and depths. We request that all monitoring, testing, or analytical data and reports generated as part of an independent cleanup be submitted to the Branch for our records. Parties conducting cleanups in this manner are not eligible for less stringent, risk-based cleanup levels or the statutory cap of remedial action expenses.

Please note, should a REC-AA not be pursued voluntarily, the Division may order any responsible party to:

- (1) conduct any monitoring, testing, analysis, and reporting that is reasonable and necessary to ascertain the nature and extent of any hazard posed by the site per N.C.G.S § 130A-310.1(c);
- (2) develop and implement a remedial action program within reasonable time limits per N.C.G.S § 130A-310.3(c); and
- (3) immediately take any action necessary to eliminate or correct an imminent hazard caused by an inactive hazardous substance or waste disposal site, per N.C.G.S § 130A-310.5(a). For example, volatile groundwater contamination located beneath or within 100 ft of an occupied building can be harmful to the health and safety of current and future occupants, so a structural vapor intrusion evaluation should be performed by a licensed professional and the results reported to the Branch.

If you have questions about the requirements that apply to your site, please contact me at (919) 707-8369 or Erin.Ireland@deq.nc.gov.

Sincerely,

/s/ **Erin Ireland**

Erin A. Ireland

Engineer

Inactive Hazardous Sites Branch

cc: Matt Williams – Project Manager, Rhetson, matt@rhetson.com

Mike May – Apex, michaelmay@apexc.com



North Carolina Department of Environmental Quality | Division of Waste Management
217 West Jones Street | 1646 Mail Service Center | Raleigh, North Carolina 27699-1646
919.707.8200



August 12, 2024

Mr. Matt Williams
Project Manager
Rhetson Companies, Inc.
2075 Juniper Lake Road
West End, North Carolina 27376

**Re: Phase II ESA Addendum
Proposed Dollar General
East Church Street (Scotland County Parcel ID 01020501002)
Laurinburg, North Carolina 27823**

Dear Mr. Williams:

Apex Companies, LLC (Apex) is pleased to present this Phase II Environmental Site Assessment (ESA) Addendum for the above referenced property, which for the purposes of this proposal will be referred to as the “subject property” or “site.” The Site location is shown on **Figure 1 (Attachment A)** and pertinent features of the site are shown on a Site Plan provided as **Figure 2 (Attachment A)**.

Terracon Consultants, Inc. (Terracon) issued a Phase I Environmental Assessment (ESA) to Rhetson Companies, Inc. (Rhetson) on October 11, 2023. The Phase I ESA conducted on the Site identified the following historical information and Recognized Environmental Conditions (RECs):

- The Site was developed as early as 1938. The lack of historical documents available for review prior to development was considered a data gap; however, due to the use of the Site as residential, the data gap was not considered to be significant. The northern portion of the property was occupied by three to six residential properties until the 1970s. There was a possible commercial structure on the northern property boundary in the 1990s but was only shown for one year.
- The surrounding properties have historically been commercial plants and railroads. The adjoining property to the east operated as a flea market since the 1980s and before then was utilized as a lumber yard. A railroad adjoins the Site to the south. The property located to the southwest consisted of a fertilizer plant and railroad from as early as 1938. A cotton mill plant with railroad and railyard adjoined the Site to the north from as early as 1938. The plant was demolished and turned into a railyard in the 1980s. The dye house for the mill was located directly to the north adjoining the Site across East Church Street.
- Terracon identified the mill and associated dye house to the north and the lumber yard to the east to be RECs to the Site due to the potential for undocumented releases which could migrate onto the Site. The mill and dye house are potential contamination sources

for volatile organic compounds (VOCs) such as petroleum products and chlorinated solvents. The eastern adjacent lumber yard is a potential contamination source of metals and VOCs related to wood treatment.

- Terracon recommended additional investigation to ascertain if the Site was impacted by nearby offsite sources.

Apex Companies, LLC (Apex) issued a Phase II ESA on February 22, 2024, to investigate potential impacts to the Site due to offsite sources based on Terracon's Phase I ESA. The Phase II ESA identified the following:

- Phase II ESA activities included soil gas sampling, the advancement of five soil borings, field screening of soil samples, and soil and groundwater sampling. Soil boring locations are depicted on **Figure 2 (Attachment A)**.
- Three soil samples were retained for laboratory analysis based on adjoining properties identified as areas of concern, including the historical use of the adjoining property to the north as a cotton mill and dye house, the adjoining property to the east as a lumber yard, the historical presence of a railroad on the southern portion of the Site, and the location of the proposed retail building.
- VOCs were not detected in the soil samples collected. Resource Conservation and Recovery Act (RCRA) Metals were not detected at concentrations exceeding their respective North Carolina Department of Environmental Quality (NCDEQ) Industrial/Commercial and Residential Soil Cleanup Levels with the exception of chromium. Chromium was detected at concentrations of 18,200 ppb and 8,170 ppb in soil samples SB-1-1 and SB-5-1, respectively, exceeding its respective NCDEQ Industrial/Commercial and Residential Soil Cleanup Levels of 6,540 ppb and 1,320 ppb, respectively. Chromium was detected at a concentration of 4,080 ppb in soil sample SB-3-5 exceeding its respective NCDEQ Residential Soil Cleanup Level of 1,320 ppb. A tabular summary of soil analytical data is presented in **Table 1 (Attachment B)**. The laboratory certificate of analysis and chain of custody documentation is provided in **Attachment C**.
- Apex collected four groundwater samples directly from soil borings SB-1, SB-3, SB-4, and SB-5 by temporarily installing one-inch diameter polyvinyl chloride (PVC) well screen.
- VOCs were detected in three of the four groundwater samples collected. Acetone was detected at concentrations of 58.8 micrograms per liter (µg/L) and 13.8 µg/L, in groundwater samples SB-3, and SB-4, respectively. Toluene was detected at concentrations of 2.80 µg/L, 1.00 µg/L, and 1.67 µg/L in groundwater samples SB-1, SB-3, and SB-4 respectively. Acetone and toluene were detected at concentrations below their respective NCDEQ Title 15A of the North Carolina Administrative Code (NCAC) 02L .0202 Groundwater Standards concentrations (NCDEQ Groundwater Standards). RCRA Metals were detected in all four groundwater samples collected. Detected concentrations of arsenic, chromium, mercury, and lead were above their respective NCDEQ Groundwater Standards. Barium was detected at concentrations of 1,360 µg/L and 2,810 µg/L in groundwater samples SB-1 and SB-5, exceeding its respective NCDEQ Groundwater Standards concentration of 700 µg/L. Chromium was detected at concentrations of 585 µg/L, 2,900 µg/L, 616 µg/L, and 392 µg/L in groundwater samples SB-1, SB-3, SB-4, and SB-5, respectively, exceeding its respective NCDEQ

Groundwater Standards concentration of 10 µg/L. Mercury was detected at a concentration of 3.12 µg/L in groundwater sample SB-5, exceeding its respective NCDEQ Groundwater Standards concentration of 1 µg/L. Lead was detected at concentrations of 334 µg/L, 229 µg/L, and 742 µg/L in groundwater samples SB-1, SB-4, and SB-5, respectively, exceeding its respective NCDEQ Groundwater Standards concentration of 15 µg/L. Due to dilution factors for the analyses of silver, arsenic, cadmium, lead, and selenium, the laboratory detection limits were reported above the respective NCDEQ Groundwater Standards concentrations. A tabular summary of groundwater analytical data is presented in **Table 2 (Attachment B)**. The laboratory certificate of analysis and chain of custody documentation is provided in **Attachment C**.

- Apex collected a total of two soil gas samples inside the footprint of the proposed building. The soil vapor implants were installed above the water table, at a depth of five feet below ground surface (BGS) in each boring.
- VOCs were detected in both soil gas samples collected for analysis. Tetrachloroethylene was detected at concentrations of 255 micrograms per cubic meter (µg/m³) and 388 µg/m³ in soil gas samples SG-1 and SG-2, respectively. The concentration of tetrachloroethylene detected in soil gas samples SG-2 exceeds its respective Residential VISL of 280 µg/m³ within the proposed building footprint, but below its respective Non-Residential VISL of 3,500 µg/m³. A tabular summary of soil gas analytical data is presented in **Table 3 (Attachment B)**. The laboratory certificate of analysis and chain of custody documentation is provided in **Attachment C**.
- Based on detections and concentrations in soil and groundwater, Apex recommended reporting the analytical data to the NCDEQ

Subsequent to Phase II ESA activities, the soil vapor concentrations for the COIs (Constituents of Interest) related to the Laurinburg site were used to screen the potential non-residential and residential risk using the February 2024 version of the NCDEQ Risk Calculator. The Risk Calculator conservatively converts the observed soil vapor concentration to an estimated indoor air concentration by multiplying the observed soil vapor concentrations using a USEPA standard conversion factor of 0.03. The use of the 0.03 conversion factor is a very conservative approach since it does not consider any site-specific factors that would reduce the actual indoor air concentration such as the distance of the source or the soil type and thickness between the top of affected groundwater and the foundation for the residence.

The Risk Calculator estimates lifetime incremental cancer risk for individual suspected carcinogenic compounds and noncancer hazard quotients (HQ) for individual non-carcinogenic compounds. The Risk Calculator estimates the potential cumulative carcinogenic and non-carcinogenic risks associated with multiple constituents in soil vapor using the “Residential Soil Vapor to Indoor Air” and “Non-Residential Soil Vapor to Indoor Air” exposure risk modules. The acceptable indoor air screening level (IASL) for incremental cancer risk established by NCDEQ ranges from 1 in 10,000 (expressed as 1×10^{-4}) to 1 in 1,000,000 (expressed as 1×10^{-6}), and the cumulative non-cancer hazard quotient threshold established by NCDEQ is 1.0.

Two sets of risk calculations were performed from the results of the soil gas samples taken (SG-1, SG-2), residential and non-residential to screen a variety of potential land uses. The NCDEQ Risk Calculator results for COIs detected in both soil gas samples, SG-1 and SG-2, assessed for non-residential exposure shows no exceedances of the acceptable IASLs and estimated hazard quotient established by NCDEQ previously mentioned (**Tables 4 and 5** Pertaining to Non-residential risk calcs). The NCDEQ Risk Calculator results for COIs detected in soil gas

sample 1 (SG-1), located centrally to the site, assessed for residential exposure also shows no exceedance of the acceptable IASLs and estimated hazard quotient established by NCDEQ (**Table 6** Pertaining to Residential SG-1 risk calc). However, NCDEQ Risk Calculator results for COIs detected in soil gas sample 2 (SG-2), located proximal to the east boundary of the site, assessed for residential exposure show the estimated incremental cancer risk level and the estimated hazard quotient are within the aforementioned acceptable IASL range established by NCDEQ (**Table 7** Pertaining to Residential SG-2 risk calc). Tabular summaries of vapor intrusion risks are presented in **Appendix B**.

In summation, the non-residential soil vapor data show that the estimated incremental cancer risk attributable to the Laurinburg site is below the acceptable level and the estimated total hazard threshold established by NCDEQ. The residential soil vapor data shows the estimated incremental cancer risk is also below the acceptable level and the estimated total hazard threshold. However, per the Vapor Intrusion Guidance established by NCDEQ, when results are between the IASL range for a target risk of 1×10^{-4} and 1×10^{-6} and Hazard Index less than 1, one additional confirmation sample must be collected. Based on this analysis, non-residential and residential use of the property do not incur unacceptable risks to receptors or violations of governing guidelines; however residential use may require further monitoring to confirm the absence of unacceptable health risks to potential inhabitants.

Apex is pleased to have the opportunity to provide this Phase II ESA Addendum. Should you have any questions regarding the material discussed, please call me at (804) 855-4564.

Sincerely,
Apex Companies, LLC



Michael G. May Jr.
Project Manager



Christopher L. Cheatham
Program Manager

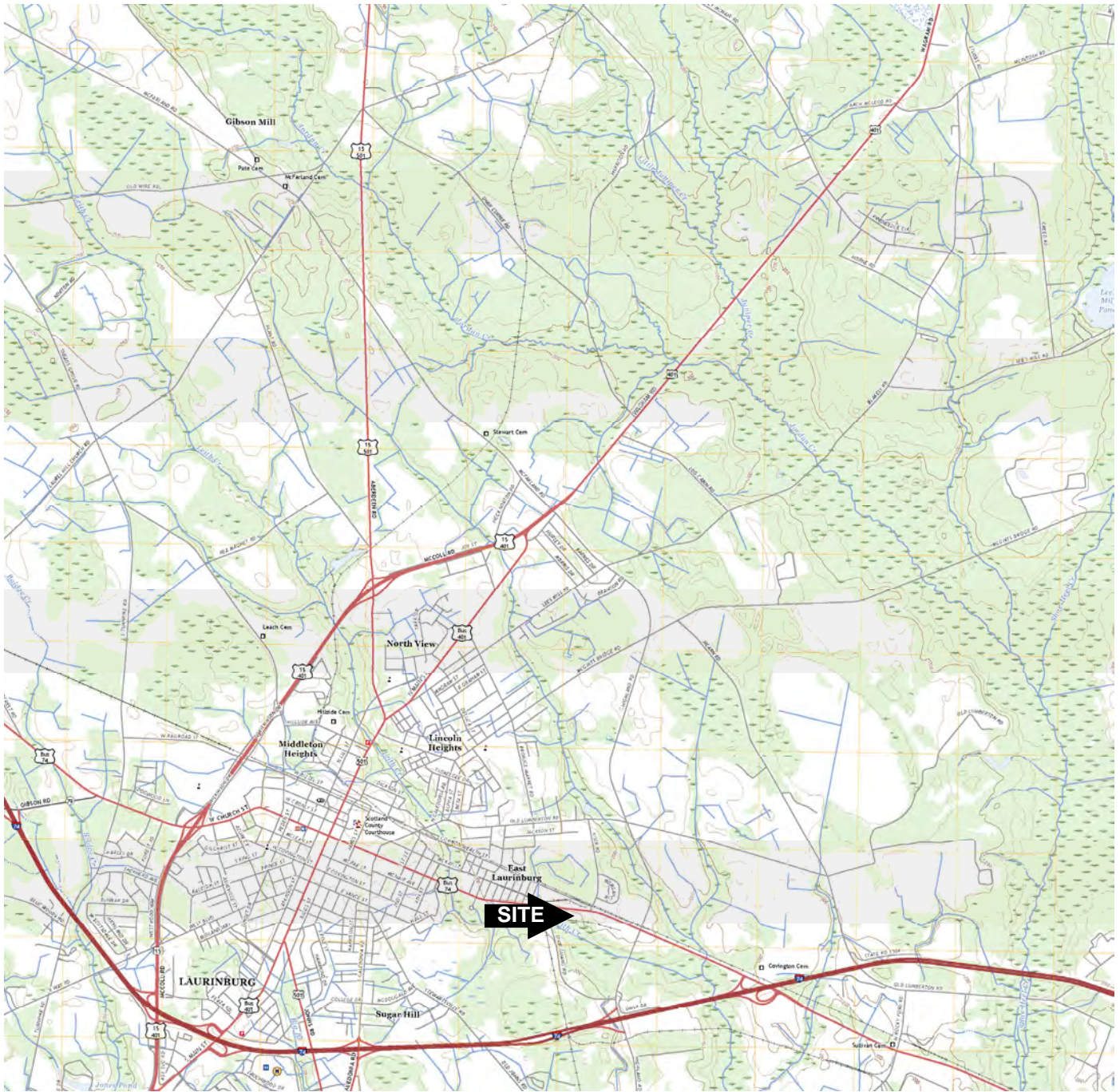
Attachments

ATTACHMENT A

Figures

**Figure 1
Site Location Map**

**East Church Street (Scotland County Parcel ID 01020501002)
Laurinburg, Scotland County, North Carolina 28352**



203 Wylderose Court
Midlothian, VA 23113
Telephone: (804) 897-2718
Fax: (804) 897-2794
www.apexcos.com

Laurinburg, North Carolina

United States Department of the
Interior-Geological Survey
7.5 Minute Series Topographic Map
Scale: 1 inch = 2,000 feet
Date: 2022

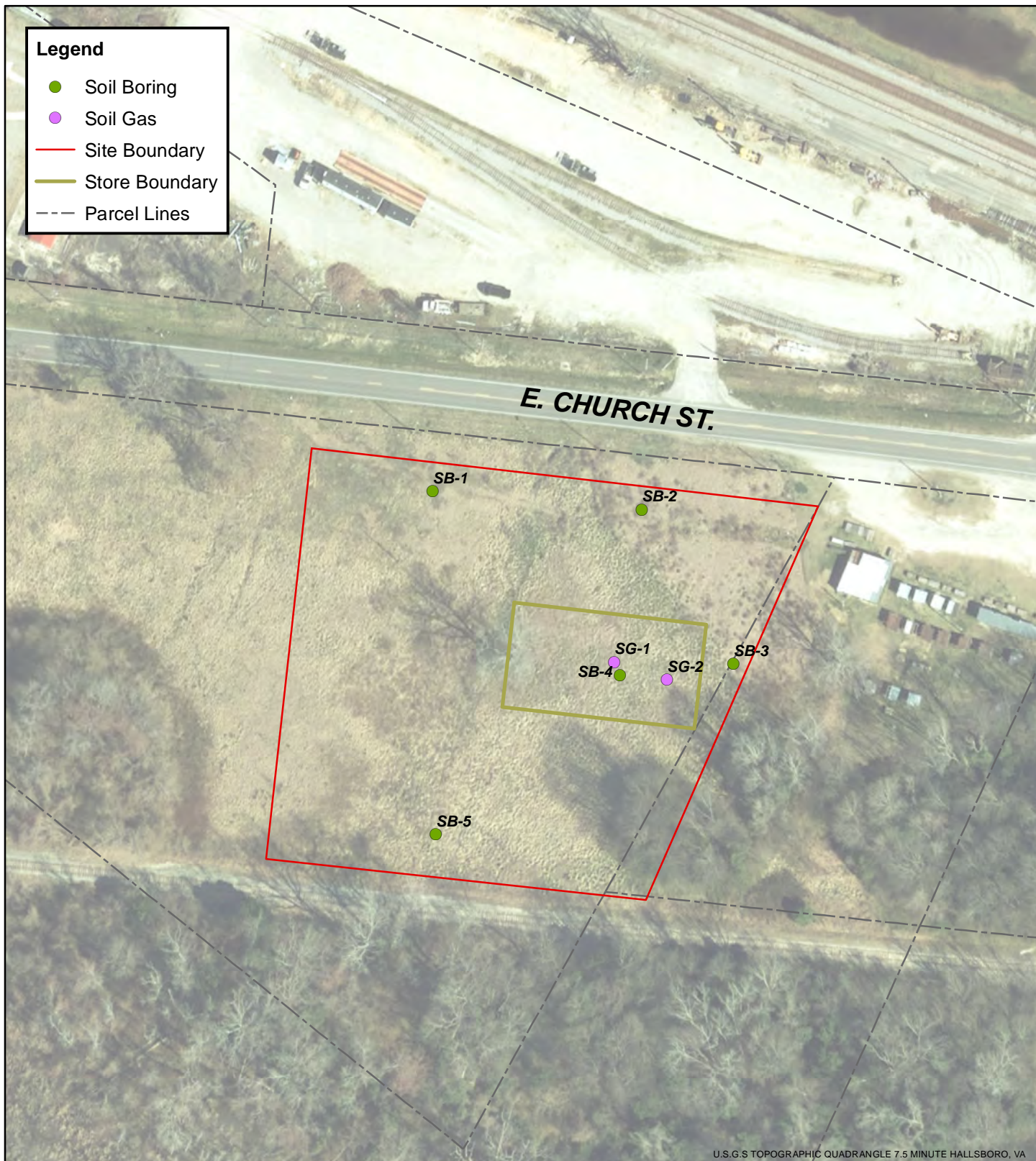
Project: Phase II ESA Addendum

Client: Rhetson Companies, Inc.

Apex Job #: RHE002-0309025-
24007357

Project Date: August 2024





<p>N</p> <p>0 100 200</p> <p>Feet</p> <p>DATE: 01/31/2024</p>	<p>SITE PLAN SCOTLAND COUNTY PID 01020501002 LAURINBURG, NC 28352</p> <p>RHETSON COMPANIES, INC. PHASE II ESA ADDENDUM APEX #RHE002-0309025-24007357</p>		<p>FIGURE</p> <p>2</p>
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ATTACHMENT B

Tables

Table 1
East Church Street, Laurinburg, NC
Soil Analytical Data
January 22, 2024

Sample Location	SB-1-1	SB-3-5	SB-5-1	Industrial/Commercial Soil Cleanup Levels (ppb) ²	Residential Soil Cleanup Levels (ppb)
MTBE ¹	<5.00	<5.00	<5.00	1,810,000	156,000
Benzene	<5.00	<5.00	<5.00	59,400	12,000
Ethylbenzene	<5.00	<5.00	<5.00	297,000	60,300
Toluene	<5.00	<5.00	<5.00	18,600,000	1,250,000
Total Xylenes	<15.0	<15.0	<15.0	46,700,000	3,120,000
Naphthalene	<5.00	<5.00	<5.00	27,000	5,500
Silver	<978	<2,480	<970	1,160,000	78,200
Arsenic	2,070	<4,950	<1,940	NA	NA
Barium	9,680	<2,480	12,600	46,000,000	3,100,000
Cadmium	<391	<990	<388	NA	NA
Chromium	18,200	4,080	8,170	6,540	1,320
Mercury	16	<8	14	NA	NA
Lead	4,670	2,850	4,310	400,000	400,000
Selenium	<4.89	<12,400	<4,850	NA	NA

¹ VOCs, analyzed via method TO15, reported in parts per billion (ppb).

² North Carolina Department of Environmental Quality Maximum Soil Concentration Levels (September 7, 2022), reported in ppb.

³ Resource Conservation and Recovery Act Metals, analyzed via EPA method 6010D, reported in ppb.

⁴ NA - Not Applicable

Table 2
East Church Street, Laurinburg, NC
Groundwater Analytical Data
January 22, 2024

Sample Location	SB-1	SB-3	SB-4	SB-5	Gross Contamination Levels for Groundwater (µg/L)	15A NCAC 02L .0202 Groundwater Standards (µg/L) ²
MTBE ¹	<1.00	<1.00	<1.00	<1.00	20,000	20
Benzene	<1.00	<1.00	<1.00	<1.00	5,000	1
Ethylbenzene	<1.00	<1.00	<1.00	<1.00	80,000	600
Toluene	2.80	1.00	1.67	<1.00	260,000	600
Total Xylenes	<3.00	<3.00	<3.00	<3.00	50,000	500
Naphthalene	<1.00	<1.00	<1.00	<1.00	6,000	6
Acetone	<10.0	58.8	13.8	<10.0	6,000,000	6,000
Silver	<100	<500	<100	<200	20,000	20
Arsenic ³	<200	<1000	<200	<400	NA ⁴	10
Barium	1,360	<500	358	2,810	700,000	700
Cadmium	<40	<200	<40	<80	NA	2
Chromium	585	2,900	616	392	10,000	10
Mercury	<0.2	<0.2	<0.2	3.12	NA	1
Lead	334	<500	229	742	15,000	15
Selenium	<500	<2,500	<500	<1,000	NA	20

¹ VOCs, analyzed via EPA method 8260D, reported in micrograms per liter (µg/L).

²North Carolina Department of Environmental Quality Title 15A of the North Carolina Administrative Code (NCAC) 02L .0202 Groundwater Standards (Effective April 1, 2022).

³ Metals, analyzed via EPA method 6010D, reported in milligrams per liter (mg/L).

⁴ NA - Not Applicable

Table 3
E Church Street, Laurinburg, NC
Summary of Vapor Analytical Data

Sample Location	SG-1	SG-2	Non-Residential Exterior Soil Gas Screening Level ($\mu\text{g}/\text{m}^3$) ²	Residential Exterior Soil Gas Screening Level ($\mu\text{g}/\text{m}^3$)
Date	1/22/2024	1/22/2024		
Acetone ¹	13.7	37.5	NA ³	NA
Benzene	1.84	2.00	160	12
Chloromethane	0.479	ND	7,900	630
Ethanol	ND	7.47 B	NA	NA
Ethylbenzene	5.07	11.0	490	37
4-Ethyltoluene	0.987	4.08	NA	NA
Dichlorodifluoromethane	2.2	2.43	8,800	700
Heptane	4.50	4.42	35,000	2,800
Isopropylbenzene	ND	1.27	35,000	2,800
Methylene Chloride	26.3	ND	53,000	3,400
n-Hexane	4.34	ND	61,000	4,900
Tetrachloroethylene	255	388	3,500	280
Trichlorofluoromethane	1.28	1.23	3,500,000	NA
Toluene	32.8	48.2	440,000	35,000
1,2,4-Trimethylbenzene	3.24	16.1	5,300	420
1,3,5-Trimethylbenzene	1.54	5.69	5,300	420
2,2,4-Trimethylpentane	4.77	4.13	NA	NA
m&p-Xylene	15.4	39.6	8,800	700
o-Xylene	5.33	14.9	8,800	700

¹ VOCs, analyzed via method TO15, reported in micrograms per cubic meter ($\mu\text{g}/\text{m}^3$).

² North Carolina Department of Environmental Quality Non-Residential and Residential Vapor Intrusion Screening Levels (July 2023) based on May 2023 USEPA Regional Screening Tables.

³ NA- Not applicable

**Table 4: Summary of Vapor Intrusion Risks – SG-1
Non-Residential Worker Soil Gas to Indoor Air**

CAS #	COI	Soil Gas Concentration (µg/m³)	Calculated Indoor Air Concentration (µg/m³)	Target Indoor Air Conc. for Carcinogens @ TCR = 1E-06	Target Indoor Air Conc. for Non-Carcinogens @ THQ = 0.2	Calculated Carcinogenic Risk	Calculated Non-Carcinogenic Hazard Quotient
67-67-1	Acetone	13.7	0.137	-	-		
71-43-2	Benzene	1.84	0.0184	1.6E+00	2.6E+01	1.2E-08	1.4E-04
74-87-3	Chloromethane	0.479	0.00479	-	7.9E+01		1.2E-05
75-71-8	Dichlorodifluoromethane	2.2	0.022	-	8.8E+01		5.0E-05
100-41-4	Ethylbenzene	5.07	0.0507	4.9E+00	8.8E+02	1.0E-08	1.2E-05
142-82-5	Heptane, N-	4.5	0.045	-	3.5E+02		2.6E-05
110-54-3	Hexane, N-	4.34	0.0434	-	6.1E+02		1.4E-05
75-09-2	Methylene Chloride	26.3	0.263	1.2E+03	5.3E+02	2.1E-10	1.0E-04
127-18-4	Tetrachloroethylene	255	2.55	4.7E+01	3.5E+01	5.4E-08	1.5E-02
108-88-3	Toluene	32.8	0.328	-	4.4E+03		1.5E-05
75-69-4	Trichlorofluoromethane	1.28	0.0128	-	-		
95-63-6	Trimethylbenzene, 1,2,4-	3.24	0.0324	-	5.3E+01		1.2E-04
108-67-8	Trimethylbenzene, 1,3,5-	1.54	0.0154	-	5.3E+01		5.9E-05
108-38-3	Xylene, m-	15.4	0.154	-	8.8E+01		3.5E-04
95-47-6	Xylene, o-	5.33	0.0533	-	8.8E+01		1.2E-04
					Cumulative:	7.6E-08	1.6E-02

Table 5: Summary of Vapor Intrusion Risks – SG-2 Non-Residential Worker Soil Gas to Indoor Air

CAS #	COI	Soil Gas Concentration (µg/m³)	Calculated Indoor Air Concentration (µg/m³)	Target Indoor Air Conc. for Carcinogens @ TCR = 1E-06	Target Indoor Air Conc. for Non-Carcinogens @ THQ = 0.2	Calculated Carcinogenic Risk	Calculated Non-Carcinogenic Hazard Quotient
67-67-1	Acetone	37.5	0.375	-	-		
71-43-2	Benzene	2	0.02	1.6E+00	2.6E+01	1.3E-08	1.5E-04
98-82-8	Cumene	1.27	0.0127	-	3.5E+02		7.2E-06
75-71-8	Dichlorodifluoromethane	2.43	0.0243	-	8.8E+01		5.5E-05
100-41-4	Ethylbenzene	11	0.11	4.9E+00	8.8E+02	2.2E-08	2.5E-05
142-82-5	Heptane, N-	4.42	0.0442	-	3.5E+02		2.5E-05
127-18-4	Tetrachloroethylene	388	3.88	4.7E+01	3.5E+01	8.2E-08	2.2E-02
108-88-3	Toluene	48.2	0.482	-	4.4E+03		2.2E-05
75-69-4	Trichlorofluoromethane	1.23	0.0123	-	-		
95-63-6	Trimethylbenzene, 1,2,4-	16.1	0.161	-	5.3E+01		6.1E-04
108-67-8	Trimethylbenzene, 1,3,5-	5.69	0.0569	-	5.3E+01		2.2E-04
108-38-3	Xylene, m-	39.6	0.396	-	8.8E+01		9.0E-04
95-47-6	Xylene, o-	14.9	0.149	-	8.8E+01		3.4E-04
					Cumulative:	1.2E-07	2.5E-02

**Table 6: Summary of Vapor Intrusion Risks – SG-1
Resident Soil Gas to Indoor Air**

CAS #	COI	Soil Gas Concentration (µg/m³)	Calculated Indoor Air Concentration (µg/m³)	Target Indoor Air Conc. for Carcinogens @ TCR = 1E-06	Target Indoor Air Conc. for Non-Carcinogens @ THQ = 0.2	Calculated Carcinogenic Risk	Calculated Non-Carcinogenic Hazard Quotient
67-67-1	Acetone	13.7	0.411	-	-		
71-43-2	Benzene	1.84	0.0552	3.6E-01	6.3E+00	1.5E-07	1.8E-03
74-87-3	Chloromethane	0.479	0.01437	-	1.9E+01		1.5E-04
75-71-8	Dichlorodifluoromethane	2.2	0.066	-	2.1E+01		6.3E-04
100-41-4	Ethylbenzene	5.07	0.1521	1.1E+00	2.1E+02	1.4E-07	1.5E-04
142-82-5	Heptane, N-	4.5	0.135	-	8.3E+01		3.2E-04
110-54-3	Hexane, N-	4.34	0.1302	-	1.5E+02		1.8E-04
75-09-2	Methylene Chloride	26.3	0.789	1.0E+02	1.3E+02	7.8E-09	1.3E-03
127-18-4	Tetrachloroethylene	255	7.65	1.1E+01	8.3E+00	7.1E-07	1.8E-01
108-88-3	Toluene	32.8	0.984	-	1.0E+03		1.9E-04
75-69-4	Trichlorofluoromethane	1.28	0.0384	-	-		
95-63-6	Trimethylbenzene, 1,2,4-	3.24	0.0972	-	1.3E+01		1.6E-03
108-67-8	Trimethylbenzene, 1,3,5-	1.54	0.0462	-	1.3E+01		7.4E-04
108-38-3	Xylene, m-	15.4	0.462	-	2.1E+01		4.4E-03
95-47-6	Xylene, o-	5.33	0.1599	-	2.1E+01		1.5E-03
					Cumulative:	1.0E-06	2.0E-01

**Table 7: Summary of Vapor Intrusion Risks – SG-2
Resident Soil Gas to Indoor Air**

CAS #	COI	Soil Gas Concentration (µg/m³)	Calculated Indoor Air Concentration (µg/m³)	Target Indoor Air Conc. for Carcinogens @ TCR = 1E-06	Target Indoor Air Conc. for Non-Carcinogens @ THQ = 0.2	Calculated Carcinogenic Risk	Calculated Non-Carcinogenic Hazard Quotient
67-67-1	Acetone	37.5	1.125	-	-		
71-43-2	Benzene	2	0.06	3.6E-01	6.3E+00	1.7E-07	1.9E-03
98-82-8	Cumene	1.27	0.0381	-	8.3E+01		9.1E-05
75-71-8	Dichlorodifluoromethane	2.43	0.0729	-	2.1E+01		7.0E-04
100-41-4	Ethylbenzene	11	0.33	1.1E+00	2.1E+02	2.9E-07	3.2E-04
142-82-5	Heptane, N-	4.42	0.1326	-	8.3E+01		3.2E-04
127-18-4	Tetrachloroethylene	388	11.64	1.1E+01	8.3E+00	1.1E-06	2.8E-01
108-88-3	Toluene	48.2	1.446	-	1.0E+03		2.8E-04
75-69-4	Trichlorofluoromethane	1.23	0.0369	-	-		
95-63-6	Trimethylbenzene, 1,2,4-	16.1	0.483	-	1.3E+01		7.7E-03
108-67-8	Trimethylbenzene, 1,3,5-	5.69	0.1707	-	1.3E+01		2.7E-03
108-38-3	Xylene, m-	39.6	1.188	-	2.1E+01		1.1E-02
95-47-6	Xylene, o-	14.9	0.447	-	2.1E+01		4.3E-03
					Cumulative:	1.5E-06	3.1E-01

ATTACHMENT C

Laboratory Certificates of Analyses &
Chain of Custody Documentation



1941 Reymet Road • Richmond, Virginia 23237 • Tel: (804)-358-8295 Fax: (804)-358-8297

Certificate of Analysis

Final Report

Laboratory Order ID 24A1441

Client Name: APEX Companies, LLC. -Richmond
203 Wylderose Court

Midlothian, VA 23113

Submitted To: Michael May

Client Site I.D.: Laurinburg Phase II

Date Received: January 24, 2024 13:46

Date Issued: February 7, 2024 16:56

Project Number: 23012618

Purchase Order:

Enclosed are the results of analyses for samples received by the laboratory on 01/24/2024 13:46. If you have any questions concerning this report, please feel free to contact the laboratory.

Sincerely,

A handwritten signature in black ink that reads 'm. mishra'.

Mandy Mishra

Laboratory Director

End Notes:

The test results listed in this report relate only to the samples submitted to the laboratory and as received by the Laboratory.

Unless otherwise noted, the test results for solid materials are calculated on a wet weight basis. Analyses for pH, dissolved oxygen, temperature, residual chlorine and sulfite that are performed in the laboratory do not meet NELAC requirements due to extremely short holding times. These analyses should be performed in the field. The results of field analyses performed by the Sampler included in the Certificate of Analysis are done so at the client's request and are not included in the laboratory's fields of certification nor have they been audited for adherence to a reference method or procedure.

The signature on the final report certifies that these results conform to all applicable NELAC standards unless otherwise specified. For a complete list of the Laboratory's NELAC certified parameters please contact customer service.

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Certificate of Analysis

Final Report

Client Name:	APEX Companies, LLC. -Richmond 203 Wylderose Court Midlothian VA, 23113	Date Issued:	February 07, 2024 16:56
Submitted To:	Michael May	Project Number:	23012618
Client Site I.D.:	Laurinburg Phase II	Purchase Order:	

ANALYTICAL REPORT FOR SAMPLES

Laboratory Order ID 24A1441

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
122242618-1 Trip Blank	24A1441-01	Ground Water	01/10/2024 11:10	01/24/2024 13:46
122242618-2 SB-1	24A1441-02	Ground Water	01/22/2024 10:40	01/24/2024 13:46
122242618-3 SB-3	24A1441-03	Ground Water	01/22/2024 12:05	01/24/2024 13:46
122242618-4 SB-4	24A1441-04	Ground Water	01/22/2024 12:35	01/24/2024 13:46
122242618-5 SB-5	24A1441-05	Ground Water	01/22/2024 12:55	01/24/2024 13:46
122242618-6 SB-1-1	24A1441-06	Solids	01/22/2024 10:30	01/24/2024 13:46
122242618-7 SB-3-5	24A1441-07	Solids	01/22/2024 11:55	01/24/2024 13:46
122242618-8 SB-5-1	24A1441-08	Solids	01/22/2024 13:05	01/24/2024 13:46



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Certificate of Analysis

Final Report

Client Name: APEX Companies, LLC. -Richmond
203 Wylderose Court
Midlothian VA, 23113
Submitted To: Michael May
Client Site I.D.: Laurinburg Phase II

Date Issued: February 07, 2024 16:56
Project Number: 23012618
Purchase Order:

Laboratory Order ID: 24A1441

Analytical Results

Sample I.D. 122242618-1 Trip Blank

Laboratory Sample ID: 24A1441-01

Grab Date/Time: 01/10/2024 11:10

Field Residual Cl:

Field pH:

Parameter	Samp ID	Method	Result	Qual	Reporting Limit	D.F.	Sample Prep Date/Time	Analysis Date/Time	Analyst
Volatile Organic Compounds by GCMS									
1,1,1,2-Tetrachloroethane	01	SW8260D	<0.40 ug/L		0.40	1	01/26/24 14:18	01/26/24 14:18	RJB
1,1,1-Trichloroethane	01	SW8260D	<1.00 ug/L		1.00	1	01/26/24 14:18	01/26/24 14:18	RJB
1,1,2,2-Tetrachloroethane	01	SW8260D	<0.40 ug/L		0.40	1	01/26/24 14:18	01/26/24 14:18	RJB
1,1,2-Trichloroethane	01	SW8260D	<1.00 ug/L		1.00	1	01/26/24 14:18	01/26/24 14:18	RJB
1,1-Dichloroethane	01	SW8260D	<1.00 ug/L		1.00	1	01/26/24 14:18	01/26/24 14:18	RJB
1,1-Dichloroethylene	01	SW8260D	<1.00 ug/L		1.00	1	01/26/24 14:18	01/26/24 14:18	RJB
1,1-Dichloropropene	01	SW8260D	<1.00 ug/L		1.00	1	01/26/24 14:18	01/26/24 14:18	RJB
1,2,3-Trichlorobenzene	01	SW8260D	<1.00 ug/L		1.00	1	01/26/24 14:18	01/26/24 14:18	RJB
1,2,3-Trichloropropane	01	SW8260D	<1.00 ug/L		1.00	1	01/26/24 14:18	01/26/24 14:18	RJB
1,2,4-Trichlorobenzene	01	SW8260D	<1.00 ug/L		1.00	1	01/26/24 14:18	01/26/24 14:18	RJB
1,2,4-Trimethylbenzene	01	SW8260D	<1.00 ug/L		1.00	1	01/26/24 14:18	01/26/24 14:18	RJB
1,2-Dibromo-3-chloropropane (DBCP)	01	SW8260D	<1.00 ug/L		1.00	1	01/26/24 14:18	01/26/24 14:18	RJB
1,2-Dibromoethane (EDB)	01	SW8260D	<1.00 ug/L		1.00	1	01/26/24 14:18	01/26/24 14:18	RJB
1,2-Dichlorobenzene	01	SW8260D	<0.50 ug/L		0.50	1	01/26/24 14:18	01/26/24 14:18	RJB
1,2-Dichloroethane	01	SW8260D	<1.00 ug/L		1.00	1	01/26/24 14:18	01/26/24 14:18	RJB
1,2-Dichloropropane	01	SW8260D	<0.50 ug/L		0.50	1	01/26/24 14:18	01/26/24 14:18	RJB
1,3,5-Trimethylbenzene	01	SW8260D	<1.00 ug/L		1.00	1	01/26/24 14:18	01/26/24 14:18	RJB
1,3-Dichlorobenzene	01	SW8260D	<1.00 ug/L		1.00	1	01/26/24 14:18	01/26/24 14:18	RJB
1,3-Dichloropropane	01	SW8260D	<1.00 ug/L		1.00	1	01/26/24 14:18	01/26/24 14:18	RJB
1,4-Dichlorobenzene	01	SW8260D	<1.00 ug/L		1.00	1	01/26/24 14:18	01/26/24 14:18	RJB
2,2-Dichloropropane	01	SW8260D	<1.00 ug/L		1.00	1	01/26/24 14:18	01/26/24 14:18	RJB
2-Butanone (MEK)	01	SW8260D	<10.0 ug/L		10.0	1	01/26/24 14:18	01/26/24 14:18	RJB
2-Chlorotoluene	01	SW8260D	<1.00 ug/L		1.00	1	01/26/24 14:18	01/26/24 14:18	RJB
2-Hexanone (MBK)	01	SW8260D	<5.00 ug/L		5.00	1	01/26/24 14:18	01/26/24 14:18	RJB
4-Chlorotoluene	01	SW8260D	<1.00 ug/L		1.00	1	01/26/24 14:18	01/26/24 14:18	RJB



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Certificate of Analysis

Final Report

Client Name: APEX Companies, LLC. -Richmond
203 Wylderose Court

Date Issued: February 07, 2024 16:56
Project Number: 23012618
Purchase Order:

Submitted To: Midlothian VA, 23113
Michael May
Client Site I.D.: Laurinburg Phase II

Laboratory Order ID: 24A1441

Analytical Results

Sample I.D. 122242618-1 Trip Blank

Laboratory Sample ID: 24A1441-01

Grab Date/Time: 01/10/2024 11:10

Field Residual Cl:

Field pH:

Parameter	Samp ID	Method	Result	Qual	Reporting Limit	D.F.	Sample Prep Date/Time	Analysis Date/Time	Analyst
Volatile Organic Compounds by GCMS									
4-Isopropyltoluene	01	SW8260D	<1.00 ug/L		1.00	1	01/26/24 14:18	01/26/24 14:18	RJB
4-Methyl-2-pentanone (MIBK)	01	SW8260D	<5.00 ug/L		5.00	1	01/26/24 14:18	01/26/24 14:18	RJB
Acetone	01	SW8260D	<10.0 ug/L		10.0	1	01/26/24 14:18	01/26/24 14:18	RJB
Benzene	01	SW8260D	<1.00 ug/L		1.00	1	01/26/24 14:18	01/26/24 14:18	RJB
Bromobenzene	01	SW8260D	<1.00 ug/L		1.00	1	01/26/24 14:18	01/26/24 14:18	RJB
Bromochloromethane	01	SW8260D	<1.00 ug/L		1.00	1	01/26/24 14:18	01/26/24 14:18	RJB
Bromodichloromethane	01	SW8260D	<0.50 ug/L		0.50	1	01/26/24 14:18	01/26/24 14:18	RJB
Bromoform	01	SW8260D	<1.00 ug/L		1.00	1	01/26/24 14:18	01/26/24 14:18	RJB
Bromomethane	01	SW8260D	<1.00 ug/L		1.00	1	01/26/24 14:18	01/26/24 14:18	RJB
Carbon disulfide	01	SW8260D	<10.0 ug/L		10.0	1	01/26/24 14:18	01/26/24 14:18	RJB
Carbon tetrachloride	01	SW8260D	<1.00 ug/L		1.00	1	01/26/24 14:18	01/26/24 14:18	RJB
Chlorobenzene	01	SW8260D	<1.00 ug/L		1.00	1	01/26/24 14:18	01/26/24 14:18	RJB
Chloroethane	01	SW8260D	<1.00 ug/L		1.00	1	01/26/24 14:18	01/26/24 14:18	RJB
Chloroform	01	SW8260D	<0.50 ug/L		0.50	1	01/26/24 14:18	01/26/24 14:18	RJB
Chloromethane	01	SW8260D	<1.00 ug/L		1.00	1	01/26/24 14:18	01/26/24 14:18	RJB
cis-1,2-Dichloroethylene	01	SW8260D	<1.00 ug/L		1.00	1	01/26/24 14:18	01/26/24 14:18	RJB
cis-1,3-Dichloropropene	01	SW8260D	<1.00 ug/L		1.00	1	01/26/24 14:18	01/26/24 14:18	RJB
Dibromochloromethane	01	SW8260D	<0.50 ug/L		0.50	1	01/26/24 14:18	01/26/24 14:18	RJB
Dibromomethane	01	SW8260D	<1.00 ug/L		1.00	1	01/26/24 14:18	01/26/24 14:18	RJB
Dichlorodifluoromethane	01	SW8260D	<1.00 ug/L		1.00	1	01/26/24 14:18	01/26/24 14:18	RJB
Di-isopropyl ether (DIPE)	01	SW8260D	<5.00 ug/L		5.00	1	01/26/24 14:18	01/26/24 14:18	RJB
Ethylbenzene	01	SW8260D	<1.00 ug/L		1.00	1	01/26/24 14:18	01/26/24 14:18	RJB
Hexachlorobutadiene	01	SW8260D	<0.80 ug/L		0.80	1	01/26/24 14:18	01/26/24 14:18	RJB
Iodomethane	01	SW8260D	<10.0 ug/L		10.0	1	01/26/24 14:18	01/26/24 14:18	RJB
Isopropylbenzene	01	SW8260D	<1.00 ug/L		1.00	1	01/26/24 14:18	01/26/24 14:18	RJB
m+p-Xylenes	01	SW8260D	<2.00 ug/L		2.00	1	01/26/24 14:18	01/26/24 14:18	RJB



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Certificate of Analysis

Final Report

Client Name: APEX Companies, LLC. -Richmond
203 Wylderose Court

Date Issued: February 07, 2024 16:56
Project Number: 23012618
Purchase Order:

Submitted To: Midlothian VA, 23113
Michael May
Client Site I.D.: Laurinburg Phase II

Laboratory Order ID: 24A1441

Analytical Results

Sample I.D. 122242618-1 Trip Blank

Laboratory Sample ID: 24A1441-01

Grab Date/Time: 01/10/2024 11:10

Field Residual Cl:

Field pH:

Parameter	Samp ID	Method	Result	Qual	Reporting Limit	D.F.	Sample Prep Date/Time	Analysis Date/Time	Analyst
Volatile Organic Compounds by GCMS									
Methylene chloride	01	SW8260D	<4.00 ug/L		4.00	1	01/26/24 14:18	01/26/24 14:18	RJB
Methyl-t-butyl ether (MTBE)	01	SW8260D	<1.00 ug/L		1.00	1	01/26/24 14:18	01/26/24 14:18	RJB
Naphthalene	01	SW8260D	<1.00 ug/L		1.00	1	01/26/24 14:18	01/26/24 14:18	RJB
n-Butylbenzene	01	SW8260D	<1.00 ug/L		1.00	1	01/26/24 14:18	01/26/24 14:18	RJB
n-Propylbenzene	01	SW8260D	<1.00 ug/L		1.00	1	01/26/24 14:18	01/26/24 14:18	RJB
o-Xylene	01	SW8260D	<1.00 ug/L		1.00	1	01/26/24 14:18	01/26/24 14:18	RJB
sec-Butylbenzene	01	SW8260D	<1.00 ug/L		1.00	1	01/26/24 14:18	01/26/24 14:18	RJB
Styrene	01	SW8260D	<1.00 ug/L		1.00	1	01/26/24 14:18	01/26/24 14:18	RJB
tert-Butylbenzene	01	SW8260D	<1.00 ug/L		1.00	1	01/26/24 14:18	01/26/24 14:18	RJB
Tetrachloroethylene (PCE)	01	SW8260D	<1.00 ug/L		1.00	1	01/26/24 14:18	01/26/24 14:18	RJB
Toluene	01	SW8260D	<1.00 ug/L		1.00	1	01/26/24 14:18	01/26/24 14:18	RJB
trans-1,2-Dichloroethylene	01	SW8260D	<1.00 ug/L		1.00	1	01/26/24 14:18	01/26/24 14:18	RJB
trans-1,3-Dichloropropene	01	SW8260D	<1.00 ug/L		1.00	1	01/26/24 14:18	01/26/24 14:18	RJB
Trichloroethylene	01	SW8260D	<1.00 ug/L		1.00	1	01/26/24 14:18	01/26/24 14:18	RJB
Trichlorofluoromethane	01	SW8260D	<1.00 ug/L		1.00	1	01/26/24 14:18	01/26/24 14:18	RJB
Vinyl acetate	01	SW8260D	<10.0 ug/L		10.0	1	01/26/24 14:18	01/26/24 14:18	RJB
Vinyl chloride	01	SW8260D	<0.50 ug/L		0.50	1	01/26/24 14:18	01/26/24 14:18	RJB
Xylenes, Total	01	SW8260D	<3.00 ug/L		3.00	1	01/26/24 14:18	01/26/24 14:18	RJB
Surr: 1,2-Dichloroethane-d4 (Surr)	01	SW8260D	86.4 %		70-120		01/26/24 14:18	01/26/24 14:18	RJB
Surr: 4-Bromofluorobenzene (Surr)	01	SW8260D	115 %		75-120		01/26/24 14:18	01/26/24 14:18	RJB
Surr: Dibromofluoromethane (Surr)	01	SW8260D	91.4 %		70-130		01/26/24 14:18	01/26/24 14:18	RJB
Surr: Toluene-d8 (Surr)	01	SW8260D	99.4 %		70-130		01/26/24 14:18	01/26/24 14:18	RJB



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Certificate of Analysis

Final Report

Client Name: APEX Companies, LLC. -Richmond
203 Wylderose Court

Date Issued: February 07, 2024 16:56
Project Number: 23012618
Purchase Order:

Submitted To: Midlothian VA, 23113
Michael May
Client Site I.D.: Laurinburg Phase II

Laboratory Order ID: 24A1441

Analytical Results

Sample I.D. 122242618-2 SB-1

Laboratory Sample ID: 24A1441-02

Grab Date/Time: 01/22/2024 10:40

Field Residual Cl:

Field pH:

Parameter	Samp ID	Method	Result	Qual	Reporting Limit	D.F.	Sample Prep Date/Time	Analysis Date/Time	Analyst
Metals (Total) by EPA 6000/7000 Series Methods									
Silver	02	SW6010D	<0.100 mg/L		0.100	10	01/26/24 17:00	02/06/24 15:57	ACM
Arsenic	02	SW6010D	<0.200 mg/L		0.200	10	01/26/24 17:00	02/06/24 15:57	ACM
Barium	02	SW6010D	1.36 mg/L		0.100	10	01/26/24 17:00	02/06/24 15:57	ACM
Cadmium	02	SW6010D	<0.0400 mg/L		0.0400	10	01/26/24 17:00	02/06/24 15:57	ACM
Chromium	02	SW6010D	0.585 mg/L		0.100	10	01/26/24 17:00	02/06/24 15:57	ACM
Mercury	02	SW7470A	<0.00020 mg/L		0.00020	1	01/29/24 10:00	01/29/24 13:56	NBT
Lead	02	SW6010D	0.334 mg/L		0.100	10	01/26/24 17:00	02/06/24 15:57	ACM
Selenium	02	SW6010D	<0.500 mg/L		0.500	10	01/26/24 17:00	02/06/24 15:57	ACM
Volatile Organic Compounds by GCMS									
1,1,1,2-Tetrachloroethane	02	SW8260D	<0.40 ug/L		0.40	1	01/26/24 14:41	01/26/24 14:41	RJB
1,1,1-Trichloroethane	02	SW8260D	<1.00 ug/L		1.00	1	01/26/24 14:41	01/26/24 14:41	RJB
1,1,2,2-Tetrachloroethane	02	SW8260D	<0.40 ug/L		0.40	1	01/26/24 14:41	01/26/24 14:41	RJB
1,1,2-Trichloroethane	02	SW8260D	<1.00 ug/L		1.00	1	01/26/24 14:41	01/26/24 14:41	RJB
1,1-Dichloroethane	02	SW8260D	<1.00 ug/L		1.00	1	01/26/24 14:41	01/26/24 14:41	RJB
1,1-Dichloroethylene	02	SW8260D	<1.00 ug/L		1.00	1	01/26/24 14:41	01/26/24 14:41	RJB
1,1-Dichloropropene	02	SW8260D	<1.00 ug/L		1.00	1	01/26/24 14:41	01/26/24 14:41	RJB
1,2,3-Trichlorobenzene	02	SW8260D	<1.00 ug/L		1.00	1	01/26/24 14:41	01/26/24 14:41	RJB
1,2,3-Trichloropropane	02	SW8260D	<1.00 ug/L		1.00	1	01/26/24 14:41	01/26/24 14:41	RJB
1,2,4-Trichlorobenzene	02	SW8260D	<1.00 ug/L		1.00	1	01/26/24 14:41	01/26/24 14:41	RJB
1,2,4-Trimethylbenzene	02	SW8260D	<1.00 ug/L		1.00	1	01/26/24 14:41	01/26/24 14:41	RJB
1,2-Dibromo-3-chloropropane (DBCP)	02	SW8260D	<1.00 ug/L		1.00	1	01/26/24 14:41	01/26/24 14:41	RJB
1,2-Dibromoethane (EDB)	02	SW8260D	<1.00 ug/L		1.00	1	01/26/24 14:41	01/26/24 14:41	RJB
1,2-Dichlorobenzene	02	SW8260D	<0.50 ug/L		0.50	1	01/26/24 14:41	01/26/24 14:41	RJB
1,2-Dichloroethane	02	SW8260D	<1.00 ug/L		1.00	1	01/26/24 14:41	01/26/24 14:41	RJB
1,2-Dichloropropane	02	SW8260D	<0.50 ug/L		0.50	1	01/26/24 14:41	01/26/24 14:41	RJB



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Certificate of Analysis

Final Report

Client Name: APEX Companies, LLC. -Richmond
203 Wylderose Court

Date Issued: February 07, 2024 16:56
Project Number: 23012618
Purchase Order:

Submitted To: Midlothian VA, 23113
Michael May
Client Site I.D.: Laurinburg Phase II

Laboratory Order ID: 24A1441

Analytical Results

Sample I.D. 122242618-2 SB-1

Laboratory Sample ID: 24A1441-02

Grab Date/Time: 01/22/2024 10:40

Field Residual Cl:

Field pH:

Parameter	Samp ID	Method	Result	Qual	Reporting Limit	D.F.	Sample Prep Date/Time	Analysis Date/Time	Analyst
Volatile Organic Compounds by GCMS									
1,3,5-Trimethylbenzene	02	SW8260D	<1.00 ug/L		1.00	1	01/26/24 14:41	01/26/24 14:41	RJB
1,3-Dichlorobenzene	02	SW8260D	<1.00 ug/L		1.00	1	01/26/24 14:41	01/26/24 14:41	RJB
1,3-Dichloropropane	02	SW8260D	<1.00 ug/L		1.00	1	01/26/24 14:41	01/26/24 14:41	RJB
1,4-Dichlorobenzene	02	SW8260D	<1.00 ug/L		1.00	1	01/26/24 14:41	01/26/24 14:41	RJB
2,2-Dichloropropane	02	SW8260D	<1.00 ug/L		1.00	1	01/26/24 14:41	01/26/24 14:41	RJB
2-Butanone (MEK)	02	SW8260D	<10.0 ug/L		10.0	1	01/26/24 14:41	01/26/24 14:41	RJB
2-Chlorotoluene	02	SW8260D	<1.00 ug/L		1.00	1	01/26/24 14:41	01/26/24 14:41	RJB
2-Hexanone (MBK)	02	SW8260D	<5.00 ug/L		5.00	1	01/26/24 14:41	01/26/24 14:41	RJB
4-Chlorotoluene	02	SW8260D	<1.00 ug/L		1.00	1	01/26/24 14:41	01/26/24 14:41	RJB
4-Isopropyltoluene	02	SW8260D	<1.00 ug/L		1.00	1	01/26/24 14:41	01/26/24 14:41	RJB
4-Methyl-2-pentanone (MIBK)	02	SW8260D	<5.00 ug/L		5.00	1	01/26/24 14:41	01/26/24 14:41	RJB
Acetone	02	SW8260D	<10.0 ug/L		10.0	1	01/26/24 14:41	01/26/24 14:41	RJB
Benzene	02	SW8260D	<1.00 ug/L		1.00	1	01/26/24 14:41	01/26/24 14:41	RJB
Bromobenzene	02	SW8260D	<1.00 ug/L		1.00	1	01/26/24 14:41	01/26/24 14:41	RJB
Bromochloromethane	02	SW8260D	<1.00 ug/L		1.00	1	01/26/24 14:41	01/26/24 14:41	RJB
Bromodichloromethane	02	SW8260D	<0.50 ug/L		0.50	1	01/26/24 14:41	01/26/24 14:41	RJB
Bromoform	02	SW8260D	<1.00 ug/L		1.00	1	01/26/24 14:41	01/26/24 14:41	RJB
Bromomethane	02	SW8260D	<1.00 ug/L		1.00	1	01/26/24 14:41	01/26/24 14:41	RJB
Carbon disulfide	02	SW8260D	<10.0 ug/L		10.0	1	01/26/24 14:41	01/26/24 14:41	RJB
Carbon tetrachloride	02	SW8260D	<1.00 ug/L		1.00	1	01/26/24 14:41	01/26/24 14:41	RJB
Chlorobenzene	02	SW8260D	<1.00 ug/L		1.00	1	01/26/24 14:41	01/26/24 14:41	RJB
Chloroethane	02	SW8260D	<1.00 ug/L		1.00	1	01/26/24 14:41	01/26/24 14:41	RJB
Chloroform	02	SW8260D	<0.50 ug/L		0.50	1	01/26/24 14:41	01/26/24 14:41	RJB
Chloromethane	02	SW8260D	<1.00 ug/L		1.00	1	01/26/24 14:41	01/26/24 14:41	RJB
cis-1,2-Dichloroethylene	02	SW8260D	<1.00 ug/L		1.00	1	01/26/24 14:41	01/26/24 14:41	RJB
cis-1,3-Dichloropropene	02	SW8260D	<1.00 ug/L		1.00	1	01/26/24 14:41	01/26/24 14:41	RJB



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Certificate of Analysis

Final Report

Client Name: APEX Companies, LLC. -Richmond
203 Wylderose Court

Date Issued: February 07, 2024 16:56
Project Number: 23012618
Purchase Order:

Submitted To: Midlothian VA, 23113
Michael May
Client Site I.D.: Laurinburg Phase II

Laboratory Order ID: 24A1441

Analytical Results

Sample I.D. 122242618-2 SB-1

Laboratory Sample ID: 24A1441-02

Grab Date/Time: 01/22/2024 10:40

Field Residual Cl:

Field pH:

Parameter	Samp ID	Method	Result	Qual	Reporting Limit	D.F.	Sample Prep Date/Time	Analysis Date/Time	Analyst
Volatile Organic Compounds by GCMS									
Dibromochloromethane	02	SW8260D	<0.50 ug/L		0.50	1	01/26/24 14:41	01/26/24 14:41	RJB
Dibromomethane	02	SW8260D	<1.00 ug/L		1.00	1	01/26/24 14:41	01/26/24 14:41	RJB
Dichlorodifluoromethane	02	SW8260D	<1.00 ug/L		1.00	1	01/26/24 14:41	01/26/24 14:41	RJB
Di-isopropyl ether (DIPE)	02	SW8260D	<5.00 ug/L		5.00	1	01/26/24 14:41	01/26/24 14:41	RJB
Ethylbenzene	02	SW8260D	<1.00 ug/L		1.00	1	01/26/24 14:41	01/26/24 14:41	RJB
Hexachlorobutadiene	02	SW8260D	<0.80 ug/L		0.80	1	01/26/24 14:41	01/26/24 14:41	RJB
Iodomethane	02	SW8260D	<10.0 ug/L		10.0	1	01/26/24 14:41	01/26/24 14:41	RJB
Isopropylbenzene	02	SW8260D	<1.00 ug/L		1.00	1	01/26/24 14:41	01/26/24 14:41	RJB
m+p-Xylenes	02	SW8260D	<2.00 ug/L		2.00	1	01/26/24 14:41	01/26/24 14:41	RJB
Methylene chloride	02	SW8260D	<4.00 ug/L		4.00	1	01/26/24 14:41	01/26/24 14:41	RJB
Methyl-t-butyl ether (MTBE)	02	SW8260D	<1.00 ug/L		1.00	1	01/26/24 14:41	01/26/24 14:41	RJB
Naphthalene	02	SW8260D	<1.00 ug/L		1.00	1	01/26/24 14:41	01/26/24 14:41	RJB
n-Butylbenzene	02	SW8260D	<1.00 ug/L		1.00	1	01/26/24 14:41	01/26/24 14:41	RJB
n-Propylbenzene	02	SW8260D	<1.00 ug/L		1.00	1	01/26/24 14:41	01/26/24 14:41	RJB
o-Xylene	02	SW8260D	<1.00 ug/L		1.00	1	01/26/24 14:41	01/26/24 14:41	RJB
sec-Butylbenzene	02	SW8260D	<1.00 ug/L		1.00	1	01/26/24 14:41	01/26/24 14:41	RJB
Styrene	02	SW8260D	<1.00 ug/L		1.00	1	01/26/24 14:41	01/26/24 14:41	RJB
tert-Butylbenzene	02	SW8260D	<1.00 ug/L		1.00	1	01/26/24 14:41	01/26/24 14:41	RJB
Tetrachloroethylene (PCE)	02	SW8260D	<1.00 ug/L		1.00	1	01/26/24 14:41	01/26/24 14:41	RJB
Toluene	02	SW8260D	2.80 ug/L		1.00	1	01/26/24 14:41	01/26/24 14:41	RJB
trans-1,2-Dichloroethylene	02	SW8260D	<1.00 ug/L		1.00	1	01/26/24 14:41	01/26/24 14:41	RJB
trans-1,3-Dichloropropene	02	SW8260D	<1.00 ug/L		1.00	1	01/26/24 14:41	01/26/24 14:41	RJB
Trichloroethylene	02	SW8260D	<1.00 ug/L		1.00	1	01/26/24 14:41	01/26/24 14:41	RJB
Trichlorofluoromethane	02	SW8260D	<1.00 ug/L		1.00	1	01/26/24 14:41	01/26/24 14:41	RJB
Vinyl acetate	02	SW8260D	<10.0 ug/L		10.0	1	01/26/24 14:41	01/26/24 14:41	RJB
Vinyl chloride	02	SW8260D	<0.50 ug/L		0.50	1	01/26/24 14:41	01/26/24 14:41	RJB



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Certificate of Analysis

Final Report

Client Name: APEX Companies, LLC. -Richmond
203 Wylderose Court
Midlothian VA, 23113
Submitted To: Michael May
Client Site I.D.: Laurinburg Phase II

Date Issued: February 07, 2024 16:56
Project Number: 23012618
Purchase Order:

Laboratory Order ID: 24A1441

Analytical Results

Sample I.D. 122242618-2 SB-1

Laboratory Sample ID: 24A1441-02

Grab Date/Time: 01/22/2024 10:40

Field Residual Cl:

Field pH:

Parameter	Samp ID	Method	Result	Qual	Reporting Limit	D.F.	Sample Prep Date/Time	Analysis Date/Time	Analyst
Volatile Organic Compounds by GCMS									
Xylenes, Total	02	SW8260D	<3.00 ug/L		3.00	1	01/26/24 14:41	01/26/24 14:41	RJB
Surr: 1,2-Dichloroethane-d4 (Surr)	02	SW8260D	87.2 %		70-120		01/26/24 14:41	01/26/24 14:41	RJB
Surr: 4-Bromofluorobenzene (Surr)	02	SW8260D	107 %		75-120		01/26/24 14:41	01/26/24 14:41	RJB
Surr: Dibromofluoromethane (Surr)	02	SW8260D	86.9 %		70-130		01/26/24 14:41	01/26/24 14:41	RJB
Surr: Toluene-d8 (Surr)	02	SW8260D	99.7 %		70-130		01/26/24 14:41	01/26/24 14:41	RJB



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Client Name: APEX Companies, LLC. -Richmond
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Project Number: 23012618
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Submitted To: Midlothian VA, 23113
Michael May
Client Site I.D.: Laurinburg Phase II

Laboratory Order ID: 24A1441

Analytical Results

Sample I.D. 122242618-3 SB-3

Laboratory Sample ID: 24A1441-03

Grab Date/Time: 01/22/2024 12:05

Field Residual Cl:

Field pH:

Parameter	Samp ID	Method	Result	Qual	Reporting Limit	D.F.	Sample Prep Date/Time	Analysis Date/Time	Analyst
Metals (Total) by EPA 6000/7000 Series Methods									
Silver	03	SW6010D	<0.500 mg/L		0.500	50	01/26/24 17:00	02/06/24 17:13	ACM
Arsenic	03	SW6010D	<1.00 mg/L		1.00	50	01/26/24 17:00	02/06/24 17:13	ACM
Barium	03	SW6010D	<0.500 mg/L		0.500	50	01/26/24 17:00	02/06/24 17:13	ACM
Cadmium	03	SW6010D	<0.200 mg/L		0.200	50	01/26/24 17:00	02/06/24 17:13	ACM
Chromium	03	SW6010D	2.90 mg/L		0.500	50	01/26/24 17:00	02/06/24 17:13	ACM
Mercury	03	SW7470A	<0.00020 mg/L		0.00020	1	01/29/24 10:00	01/29/24 13:58	NBT
Lead	03	SW6010D	<0.500 mg/L		0.500	50	01/26/24 17:00	02/06/24 17:13	ACM
Selenium	03	SW6010D	<2.50 mg/L		2.50	50	01/26/24 17:00	02/06/24 17:13	ACM
Volatile Organic Compounds by GCMS									
1,1,1,2-Tetrachloroethane	03	SW8260D	<0.40 ug/L		0.40	1	01/26/24 15:05	01/26/24 15:05	RJB
1,1,1-Trichloroethane	03	SW8260D	<1.00 ug/L		1.00	1	01/26/24 15:05	01/26/24 15:05	RJB
1,1,2,2-Tetrachloroethane	03	SW8260D	<0.40 ug/L		0.40	1	01/26/24 15:05	01/26/24 15:05	RJB
1,1,2-Trichloroethane	03	SW8260D	<1.00 ug/L		1.00	1	01/26/24 15:05	01/26/24 15:05	RJB
1,1-Dichloroethane	03	SW8260D	<1.00 ug/L		1.00	1	01/26/24 15:05	01/26/24 15:05	RJB
1,1-Dichloroethylene	03	SW8260D	<1.00 ug/L		1.00	1	01/26/24 15:05	01/26/24 15:05	RJB
1,1-Dichloropropene	03	SW8260D	<1.00 ug/L		1.00	1	01/26/24 15:05	01/26/24 15:05	RJB
1,2,3-Trichlorobenzene	03	SW8260D	<1.00 ug/L		1.00	1	01/26/24 15:05	01/26/24 15:05	RJB
1,2,3-Trichloropropane	03	SW8260D	<1.00 ug/L		1.00	1	01/26/24 15:05	01/26/24 15:05	RJB
1,2,4-Trichlorobenzene	03	SW8260D	<1.00 ug/L		1.00	1	01/26/24 15:05	01/26/24 15:05	RJB
1,2,4-Trimethylbenzene	03	SW8260D	<1.00 ug/L		1.00	1	01/26/24 15:05	01/26/24 15:05	RJB
1,2-Dibromo-3-chloropropane (DBCP)	03	SW8260D	<1.00 ug/L		1.00	1	01/26/24 15:05	01/26/24 15:05	RJB
1,2-Dibromoethane (EDB)	03	SW8260D	<1.00 ug/L		1.00	1	01/26/24 15:05	01/26/24 15:05	RJB
1,2-Dichlorobenzene	03	SW8260D	<0.50 ug/L		0.50	1	01/26/24 15:05	01/26/24 15:05	RJB
1,2-Dichloroethane	03	SW8260D	<1.00 ug/L		1.00	1	01/26/24 15:05	01/26/24 15:05	RJB
1,2-Dichloropropane	03	SW8260D	<0.50 ug/L		0.50	1	01/26/24 15:05	01/26/24 15:05	RJB



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Certificate of Analysis

Final Report

Client Name: APEX Companies, LLC. -Richmond
203 Wylderose Court

Date Issued: February 07, 2024 16:56
Project Number: 23012618
Purchase Order:

Submitted To: Midlothian VA, 23113
Michael May
Client Site I.D.: Laurinburg Phase II

Laboratory Order ID: 24A1441

Analytical Results

Sample I.D. 122242618-3 SB-3

Laboratory Sample ID: 24A1441-03

Grab Date/Time: 01/22/2024 12:05

Field Residual Cl:

Field pH:

Parameter	Samp ID	Method	Result	Qual	Reporting Limit	D.F.	Sample Prep Date/Time	Analysis Date/Time	Analyst
Volatile Organic Compounds by GCMS									
1,3,5-Trimethylbenzene	03	SW8260D	<1.00 ug/L		1.00	1	01/26/24 15:05	01/26/24 15:05	RJB
1,3-Dichlorobenzene	03	SW8260D	<1.00 ug/L		1.00	1	01/26/24 15:05	01/26/24 15:05	RJB
1,3-Dichloropropane	03	SW8260D	<1.00 ug/L		1.00	1	01/26/24 15:05	01/26/24 15:05	RJB
1,4-Dichlorobenzene	03	SW8260D	<1.00 ug/L		1.00	1	01/26/24 15:05	01/26/24 15:05	RJB
2,2-Dichloropropane	03	SW8260D	<1.00 ug/L		1.00	1	01/26/24 15:05	01/26/24 15:05	RJB
2-Butanone (MEK)	03	SW8260D	<10.0 ug/L		10.0	1	01/26/24 15:05	01/26/24 15:05	RJB
2-Chlorotoluene	03	SW8260D	<1.00 ug/L		1.00	1	01/26/24 15:05	01/26/24 15:05	RJB
2-Hexanone (MBK)	03	SW8260D	<5.00 ug/L		5.00	1	01/26/24 15:05	01/26/24 15:05	RJB
4-Chlorotoluene	03	SW8260D	<1.00 ug/L		1.00	1	01/26/24 15:05	01/26/24 15:05	RJB
4-Isopropyltoluene	03	SW8260D	<1.00 ug/L		1.00	1	01/26/24 15:05	01/26/24 15:05	RJB
4-Methyl-2-pentanone (MIBK)	03	SW8260D	<5.00 ug/L		5.00	1	01/26/24 15:05	01/26/24 15:05	RJB
Acetone	03	SW8260D	58.8 ug/L		10.0	1	01/26/24 15:05	01/26/24 15:05	RJB
Benzene	03	SW8260D	<1.00 ug/L		1.00	1	01/26/24 15:05	01/26/24 15:05	RJB
Bromobenzene	03	SW8260D	<1.00 ug/L		1.00	1	01/26/24 15:05	01/26/24 15:05	RJB
Bromochloromethane	03	SW8260D	<1.00 ug/L		1.00	1	01/26/24 15:05	01/26/24 15:05	RJB
Bromodichloromethane	03	SW8260D	<0.50 ug/L		0.50	1	01/26/24 15:05	01/26/24 15:05	RJB
Bromoform	03	SW8260D	<1.00 ug/L		1.00	1	01/26/24 15:05	01/26/24 15:05	RJB
Bromomethane	03	SW8260D	<1.00 ug/L		1.00	1	01/26/24 15:05	01/26/24 15:05	RJB
Carbon disulfide	03	SW8260D	<10.0 ug/L		10.0	1	01/26/24 15:05	01/26/24 15:05	RJB
Carbon tetrachloride	03	SW8260D	<1.00 ug/L		1.00	1	01/26/24 15:05	01/26/24 15:05	RJB
Chlorobenzene	03	SW8260D	<1.00 ug/L		1.00	1	01/26/24 15:05	01/26/24 15:05	RJB
Chloroethane	03	SW8260D	<1.00 ug/L		1.00	1	01/26/24 15:05	01/26/24 15:05	RJB
Chloroform	03	SW8260D	<0.50 ug/L		0.50	1	01/26/24 15:05	01/26/24 15:05	RJB
Chloromethane	03	SW8260D	<1.00 ug/L		1.00	1	01/26/24 15:05	01/26/24 15:05	RJB
cis-1,2-Dichloroethylene	03	SW8260D	<1.00 ug/L		1.00	1	01/26/24 15:05	01/26/24 15:05	RJB
cis-1,3-Dichloropropene	03	SW8260D	<1.00 ug/L		1.00	1	01/26/24 15:05	01/26/24 15:05	RJB



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Certificate of Analysis

Final Report

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203 Wylderose Court

Date Issued: February 07, 2024 16:56
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Submitted To: Midlothian VA, 23113
Michael May
Client Site I.D.: Laurinburg Phase II

Laboratory Order ID: 24A1441

Analytical Results

Sample I.D. 122242618-3 SB-3

Laboratory Sample ID: 24A1441-03

Grab Date/Time: 01/22/2024 12:05

Field Residual Cl:

Field pH:

Parameter	Samp ID	Method	Result	Qual	Reporting Limit	D.F.	Sample Prep Date/Time	Analysis Date/Time	Analyst
Volatile Organic Compounds by GCMS									
Dibromochloromethane	03	SW8260D	<0.50 ug/L		0.50	1	01/26/24 15:05	01/26/24 15:05	RJB
Dibromomethane	03	SW8260D	<1.00 ug/L		1.00	1	01/26/24 15:05	01/26/24 15:05	RJB
Dichlorodifluoromethane	03	SW8260D	<1.00 ug/L		1.00	1	01/26/24 15:05	01/26/24 15:05	RJB
Di-isopropyl ether (DIPE)	03	SW8260D	<5.00 ug/L		5.00	1	01/26/24 15:05	01/26/24 15:05	RJB
Ethylbenzene	03	SW8260D	<1.00 ug/L		1.00	1	01/26/24 15:05	01/26/24 15:05	RJB
Hexachlorobutadiene	03	SW8260D	<0.80 ug/L		0.80	1	01/26/24 15:05	01/26/24 15:05	RJB
Iodomethane	03	SW8260D	<10.0 ug/L		10.0	1	01/26/24 15:05	01/26/24 15:05	RJB
Isopropylbenzene	03	SW8260D	<1.00 ug/L		1.00	1	01/26/24 15:05	01/26/24 15:05	RJB
m+p-Xylenes	03	SW8260D	<2.00 ug/L		2.00	1	01/26/24 15:05	01/26/24 15:05	RJB
Methylene chloride	03	SW8260D	<4.00 ug/L		4.00	1	01/26/24 15:05	01/26/24 15:05	RJB
Methyl-t-butyl ether (MTBE)	03	SW8260D	<1.00 ug/L		1.00	1	01/26/24 15:05	01/26/24 15:05	RJB
Naphthalene	03	SW8260D	<1.00 ug/L		1.00	1	01/26/24 15:05	01/26/24 15:05	RJB
n-Butylbenzene	03	SW8260D	<1.00 ug/L		1.00	1	01/26/24 15:05	01/26/24 15:05	RJB
n-Propylbenzene	03	SW8260D	<1.00 ug/L		1.00	1	01/26/24 15:05	01/26/24 15:05	RJB
o-Xylene	03	SW8260D	<1.00 ug/L		1.00	1	01/26/24 15:05	01/26/24 15:05	RJB
sec-Butylbenzene	03	SW8260D	<1.00 ug/L		1.00	1	01/26/24 15:05	01/26/24 15:05	RJB
Styrene	03	SW8260D	<1.00 ug/L		1.00	1	01/26/24 15:05	01/26/24 15:05	RJB
tert-Butylbenzene	03	SW8260D	<1.00 ug/L		1.00	1	01/26/24 15:05	01/26/24 15:05	RJB
Tetrachloroethylene (PCE)	03	SW8260D	<1.00 ug/L		1.00	1	01/26/24 15:05	01/26/24 15:05	RJB
Toluene	03	SW8260D	1.00 ug/L		1.00	1	01/26/24 15:05	01/26/24 15:05	RJB
trans-1,2-Dichloroethylene	03	SW8260D	<1.00 ug/L		1.00	1	01/26/24 15:05	01/26/24 15:05	RJB
trans-1,3-Dichloropropene	03	SW8260D	<1.00 ug/L		1.00	1	01/26/24 15:05	01/26/24 15:05	RJB
Trichloroethylene	03	SW8260D	<1.00 ug/L		1.00	1	01/26/24 15:05	01/26/24 15:05	RJB
Trichlorofluoromethane	03	SW8260D	<1.00 ug/L		1.00	1	01/26/24 15:05	01/26/24 15:05	RJB
Vinyl acetate	03	SW8260D	<10.0 ug/L		10.0	1	01/26/24 15:05	01/26/24 15:05	RJB
Vinyl chloride	03	SW8260D	<0.50 ug/L		0.50	1	01/26/24 15:05	01/26/24 15:05	RJB



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Final Report

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Submitted To: Michael May
Client Site I.D.: Laurinburg Phase II

Date Issued: February 07, 2024 16:56
Project Number: 23012618
Purchase Order:

Laboratory Order ID: 24A1441

Analytical Results

Sample I.D. 122242618-3 SB-3

Laboratory Sample ID: 24A1441-03

Grab Date/Time: 01/22/2024 12:05

Field Residual Cl:

Field pH:

Parameter	Samp ID	Method	Result	Qual	Reporting Limit	D.F.	Sample Prep Date/Time	Analysis Date/Time	Analyst
Volatile Organic Compounds by GCMS									
Xylenes, Total	03	SW8260D	<3.00 ug/L		3.00	1	01/26/24 15:05	01/26/24 15:05	RJB
Surr: 1,2-Dichloroethane-d4 (Surr)	03	SW8260D	89.8 %		70-120		01/26/24 15:05	01/26/24 15:05	RJB
Surr: 4-Bromofluorobenzene (Surr)	03	SW8260D	107 %		75-120		01/26/24 15:05	01/26/24 15:05	RJB
Surr: Dibromofluoromethane (Surr)	03	SW8260D	80.8 %		70-130		01/26/24 15:05	01/26/24 15:05	RJB
Surr: Toluene-d8 (Surr)	03	SW8260D	99.8 %		70-130		01/26/24 15:05	01/26/24 15:05	RJB



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Laboratory Order ID: 24A1441

Analytical Results

Sample I.D. 122242618-4 SB-4

Laboratory Sample ID: 24A1441-04

Grab Date/Time: 01/22/2024 12:35

Field Residual Cl:

Field pH:

Parameter	Samp ID	Method	Result	Qual	Reporting Limit	D.F.	Sample Prep Date/Time	Analysis Date/Time	Analyst
Metals (Total) by EPA 6000/7000 Series Methods									
Silver	04	SW6010D	<0.100 mg/L		0.100	10	01/26/24 17:00	02/06/24 16:01	ACM
Arsenic	04	SW6010D	<0.200 mg/L		0.200	10	01/26/24 17:00	02/06/24 16:01	ACM
Barium	04	SW6010D	0.358 mg/L		0.100	10	01/26/24 17:00	02/06/24 16:01	ACM
Cadmium	04	SW6010D	<0.0400 mg/L		0.0400	10	01/26/24 17:00	02/06/24 16:01	ACM
Chromium	04	SW6010D	0.616 mg/L		0.100	10	01/26/24 17:00	02/06/24 16:01	ACM
Mercury	04	SW7470A	<0.00020 mg/L		0.00020	1	01/29/24 10:00	01/29/24 14:01	NBT
Lead	04	SW6010D	0.229 mg/L		0.100	10	01/26/24 17:00	02/06/24 16:01	ACM
Selenium	04	SW6010D	<0.500 mg/L		0.500	10	01/26/24 17:00	02/06/24 16:01	ACM
Volatile Organic Compounds by GCMS									
1,1,1,2-Tetrachloroethane	04	SW8260D	<0.40 ug/L		0.40	1	01/26/24 15:28	01/26/24 15:28	RJB
1,1,1-Trichloroethane	04	SW8260D	<1.00 ug/L		1.00	1	01/26/24 15:28	01/26/24 15:28	RJB
1,1,2,2-Tetrachloroethane	04	SW8260D	<0.40 ug/L		0.40	1	01/26/24 15:28	01/26/24 15:28	RJB
1,1,2-Trichloroethane	04	SW8260D	<1.00 ug/L		1.00	1	01/26/24 15:28	01/26/24 15:28	RJB
1,1-Dichloroethane	04	SW8260D	<1.00 ug/L		1.00	1	01/26/24 15:28	01/26/24 15:28	RJB
1,1-Dichloroethylene	04	SW8260D	<1.00 ug/L		1.00	1	01/26/24 15:28	01/26/24 15:28	RJB
1,1-Dichloropropene	04	SW8260D	<1.00 ug/L		1.00	1	01/26/24 15:28	01/26/24 15:28	RJB
1,2,3-Trichlorobenzene	04	SW8260D	<1.00 ug/L		1.00	1	01/26/24 15:28	01/26/24 15:28	RJB
1,2,3-Trichloropropane	04	SW8260D	<1.00 ug/L		1.00	1	01/26/24 15:28	01/26/24 15:28	RJB
1,2,4-Trichlorobenzene	04	SW8260D	<1.00 ug/L		1.00	1	01/26/24 15:28	01/26/24 15:28	RJB
1,2,4-Trimethylbenzene	04	SW8260D	<1.00 ug/L		1.00	1	01/26/24 15:28	01/26/24 15:28	RJB
1,2-Dibromo-3-chloropropane (DBCP)	04	SW8260D	<1.00 ug/L		1.00	1	01/26/24 15:28	01/26/24 15:28	RJB
1,2-Dibromoethane (EDB)	04	SW8260D	<1.00 ug/L		1.00	1	01/26/24 15:28	01/26/24 15:28	RJB
1,2-Dichlorobenzene	04	SW8260D	<0.50 ug/L		0.50	1	01/26/24 15:28	01/26/24 15:28	RJB
1,2-Dichloroethane	04	SW8260D	<1.00 ug/L		1.00	1	01/26/24 15:28	01/26/24 15:28	RJB
1,2-Dichloropropane	04	SW8260D	<0.50 ug/L		0.50	1	01/26/24 15:28	01/26/24 15:28	RJB



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Certificate of Analysis

Final Report

Client Name: APEX Companies, LLC. -Richmond
203 Wylderose Court

Date Issued: February 07, 2024 16:56
Project Number: 23012618
Purchase Order:

Submitted To: Midlothian VA, 23113
Michael May
Client Site I.D.: Laurinburg Phase II

Laboratory Order ID: 24A1441

Analytical Results

Sample I.D. 122242618-4 SB-4

Laboratory Sample ID: 24A1441-04

Grab Date/Time: 01/22/2024 12:35

Field Residual Cl:

Field pH:

Parameter	Samp ID	Method	Result	Qual	Reporting Limit	D.F.	Sample Prep Date/Time	Analysis Date/Time	Analyst
Volatile Organic Compounds by GCMS									
1,3,5-Trimethylbenzene	04	SW8260D	<1.00 ug/L		1.00	1	01/26/24 15:28	01/26/24 15:28	RJB
1,3-Dichlorobenzene	04	SW8260D	<1.00 ug/L		1.00	1	01/26/24 15:28	01/26/24 15:28	RJB
1,3-Dichloropropane	04	SW8260D	<1.00 ug/L		1.00	1	01/26/24 15:28	01/26/24 15:28	RJB
1,4-Dichlorobenzene	04	SW8260D	<1.00 ug/L		1.00	1	01/26/24 15:28	01/26/24 15:28	RJB
2,2-Dichloropropane	04	SW8260D	<1.00 ug/L		1.00	1	01/26/24 15:28	01/26/24 15:28	RJB
2-Butanone (MEK)	04	SW8260D	<10.0 ug/L		10.0	1	01/26/24 15:28	01/26/24 15:28	RJB
2-Chlorotoluene	04	SW8260D	<1.00 ug/L		1.00	1	01/26/24 15:28	01/26/24 15:28	RJB
2-Hexanone (MBK)	04	SW8260D	<5.00 ug/L		5.00	1	01/26/24 15:28	01/26/24 15:28	RJB
4-Chlorotoluene	04	SW8260D	<1.00 ug/L		1.00	1	01/26/24 15:28	01/26/24 15:28	RJB
4-Isopropyltoluene	04	SW8260D	<1.00 ug/L		1.00	1	01/26/24 15:28	01/26/24 15:28	RJB
4-Methyl-2-pentanone (MIBK)	04	SW8260D	<5.00 ug/L		5.00	1	01/26/24 15:28	01/26/24 15:28	RJB
Acetone	04	SW8260D	13.8 ug/L		10.0	1	01/26/24 15:28	01/26/24 15:28	RJB
Benzene	04	SW8260D	<1.00 ug/L		1.00	1	01/26/24 15:28	01/26/24 15:28	RJB
Bromobenzene	04	SW8260D	<1.00 ug/L		1.00	1	01/26/24 15:28	01/26/24 15:28	RJB
Bromochloromethane	04	SW8260D	<1.00 ug/L		1.00	1	01/26/24 15:28	01/26/24 15:28	RJB
Bromodichloromethane	04	SW8260D	<0.50 ug/L		0.50	1	01/26/24 15:28	01/26/24 15:28	RJB
Bromoform	04	SW8260D	<1.00 ug/L		1.00	1	01/26/24 15:28	01/26/24 15:28	RJB
Bromomethane	04	SW8260D	<1.00 ug/L		1.00	1	01/26/24 15:28	01/26/24 15:28	RJB
Carbon disulfide	04	SW8260D	<10.0 ug/L		10.0	1	01/26/24 15:28	01/26/24 15:28	RJB
Carbon tetrachloride	04	SW8260D	<1.00 ug/L		1.00	1	01/26/24 15:28	01/26/24 15:28	RJB
Chlorobenzene	04	SW8260D	<1.00 ug/L		1.00	1	01/26/24 15:28	01/26/24 15:28	RJB
Chloroethane	04	SW8260D	<1.00 ug/L		1.00	1	01/26/24 15:28	01/26/24 15:28	RJB
Chloroform	04	SW8260D	<0.50 ug/L		0.50	1	01/26/24 15:28	01/26/24 15:28	RJB
Chloromethane	04	SW8260D	<1.00 ug/L		1.00	1	01/26/24 15:28	01/26/24 15:28	RJB
cis-1,2-Dichloroethylene	04	SW8260D	<1.00 ug/L		1.00	1	01/26/24 15:28	01/26/24 15:28	RJB
cis-1,3-Dichloropropene	04	SW8260D	<1.00 ug/L		1.00	1	01/26/24 15:28	01/26/24 15:28	RJB



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Certificate of Analysis

Final Report

Client Name: APEX Companies, LLC. -Richmond
203 Wylderose Court

Date Issued: February 07, 2024 16:56
Project Number: 23012618
Purchase Order:

Submitted To: Midlothian VA, 23113
Michael May
Client Site I.D.: Laurinburg Phase II

Laboratory Order ID: 24A1441

Analytical Results

Sample I.D. 122242618-4 SB-4

Laboratory Sample ID: 24A1441-04

Grab Date/Time: 01/22/2024 12:35

Field Residual Cl:

Field pH:

Parameter	Samp ID	Method	Result	Qual	Reporting Limit	D.F.	Sample Prep Date/Time	Analysis Date/Time	Analyst
Volatile Organic Compounds by GCMS									
Dibromochloromethane	04	SW8260D	<0.50 ug/L		0.50	1	01/26/24 15:28	01/26/24 15:28	RJB
Dibromomethane	04	SW8260D	<1.00 ug/L		1.00	1	01/26/24 15:28	01/26/24 15:28	RJB
Dichlorodifluoromethane	04	SW8260D	<1.00 ug/L		1.00	1	01/26/24 15:28	01/26/24 15:28	RJB
Di-isopropyl ether (DIPE)	04	SW8260D	<5.00 ug/L		5.00	1	01/26/24 15:28	01/26/24 15:28	RJB
Ethylbenzene	04	SW8260D	<1.00 ug/L		1.00	1	01/26/24 15:28	01/26/24 15:28	RJB
Hexachlorobutadiene	04	SW8260D	<0.80 ug/L		0.80	1	01/26/24 15:28	01/26/24 15:28	RJB
Iodomethane	04	SW8260D	<10.0 ug/L		10.0	1	01/26/24 15:28	01/26/24 15:28	RJB
Isopropylbenzene	04	SW8260D	<1.00 ug/L		1.00	1	01/26/24 15:28	01/26/24 15:28	RJB
m+p-Xylenes	04	SW8260D	<2.00 ug/L		2.00	1	01/26/24 15:28	01/26/24 15:28	RJB
Methylene chloride	04	SW8260D	<4.00 ug/L		4.00	1	01/26/24 15:28	01/26/24 15:28	RJB
Methyl-t-butyl ether (MTBE)	04	SW8260D	<1.00 ug/L		1.00	1	01/26/24 15:28	01/26/24 15:28	RJB
Naphthalene	04	SW8260D	<1.00 ug/L		1.00	1	01/26/24 15:28	01/26/24 15:28	RJB
n-Butylbenzene	04	SW8260D	<1.00 ug/L		1.00	1	01/26/24 15:28	01/26/24 15:28	RJB
n-Propylbenzene	04	SW8260D	<1.00 ug/L		1.00	1	01/26/24 15:28	01/26/24 15:28	RJB
o-Xylene	04	SW8260D	<1.00 ug/L		1.00	1	01/26/24 15:28	01/26/24 15:28	RJB
sec-Butylbenzene	04	SW8260D	<1.00 ug/L		1.00	1	01/26/24 15:28	01/26/24 15:28	RJB
Styrene	04	SW8260D	<1.00 ug/L		1.00	1	01/26/24 15:28	01/26/24 15:28	RJB
tert-Butylbenzene	04	SW8260D	<1.00 ug/L		1.00	1	01/26/24 15:28	01/26/24 15:28	RJB
Tetrachloroethylene (PCE)	04	SW8260D	<1.00 ug/L		1.00	1	01/26/24 15:28	01/26/24 15:28	RJB
Toluene	04	SW8260D	1.67 ug/L		1.00	1	01/26/24 15:28	01/26/24 15:28	RJB
trans-1,2-Dichloroethylene	04	SW8260D	<1.00 ug/L		1.00	1	01/26/24 15:28	01/26/24 15:28	RJB
trans-1,3-Dichloropropene	04	SW8260D	<1.00 ug/L		1.00	1	01/26/24 15:28	01/26/24 15:28	RJB
Trichloroethylene	04	SW8260D	<1.00 ug/L		1.00	1	01/26/24 15:28	01/26/24 15:28	RJB
Trichlorofluoromethane	04	SW8260D	<1.00 ug/L		1.00	1	01/26/24 15:28	01/26/24 15:28	RJB
Vinyl acetate	04	SW8260D	<10.0 ug/L		10.0	1	01/26/24 15:28	01/26/24 15:28	RJB
Vinyl chloride	04	SW8260D	<0.50 ug/L		0.50	1	01/26/24 15:28	01/26/24 15:28	RJB



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Certificate of Analysis

Final Report

Client Name: APEX Companies, LLC. -Richmond
203 Wylderose Court
Midlothian VA, 23113
Submitted To: Michael May
Client Site I.D.: Laurinburg Phase II

Date Issued: February 07, 2024 16:56
Project Number: 23012618
Purchase Order:

Laboratory Order ID: 24A1441

Analytical Results

Sample I.D. 122242618-4 SB-4

Laboratory Sample ID: 24A1441-04

Grab Date/Time: 01/22/2024 12:35

Field Residual Cl:

Field pH:

Parameter	Samp ID	Method	Result	Qual	Reporting Limit	D.F.	Sample Prep Date/Time	Analysis Date/Time	Analyst
Volatile Organic Compounds by GCMS									
Xylenes, Total	04	SW8260D	<3.00 ug/L		3.00	1	01/26/24 15:28	01/26/24 15:28	RJB
Surr: 1,2-Dichloroethane-d4 (Surr)	04	SW8260D	85.0 %		70-120		01/26/24 15:28	01/26/24 15:28	RJB
Surr: 4-Bromofluorobenzene (Surr)	04	SW8260D	108 %		75-120		01/26/24 15:28	01/26/24 15:28	RJB
Surr: Dibromofluoromethane (Surr)	04	SW8260D	82.4 %		70-130		01/26/24 15:28	01/26/24 15:28	RJB
Surr: Toluene-d8 (Surr)	04	SW8260D	92.7 %		70-130		01/26/24 15:28	01/26/24 15:28	RJB



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Certificate of Analysis

Final Report

Client Name: APEX Companies, LLC. -Richmond
203 Wylderose Court

Date Issued: February 07, 2024 16:56
Project Number: 23012618
Purchase Order:

Submitted To: Midlothian VA, 23113
Michael May
Client Site I.D.: Laurinburg Phase II

Laboratory Order ID: 24A1441

Analytical Results

Sample I.D. 122242618-5 SB-5

Laboratory Sample ID: 24A1441-05

Grab Date/Time: 01/22/2024 12:55

Field Residual Cl:

Field pH:

Parameter	Samp ID	Method	Result	Qual	Reporting Limit	D.F.	Sample Prep Date/Time	Analysis Date/Time	Analyst
Metals (Total) by EPA 6000/7000 Series Methods									
Silver	05	SW6010D	<0.200 mg/L		0.200	20	01/26/24 17:00	02/06/24 17:15	ACM
Arsenic	05	SW6010D	<0.400 mg/L		0.400	20	01/26/24 17:00	02/06/24 17:15	ACM
Barium	05	SW6010D	2.81 mg/L		0.200	20	01/26/24 17:00	02/06/24 17:15	ACM
Cadmium	05	SW6010D	<0.0800 mg/L		0.0800	20	01/26/24 17:00	02/06/24 17:15	ACM
Chromium	05	SW6010D	0.392 mg/L		0.200	20	01/26/24 17:00	02/06/24 17:15	ACM
Mercury	05	SW7470A	0.00312 mg/L		0.00040	1	01/29/24 10:00	01/29/24 14:09	NBT
Lead	05	SW6010D	0.742 mg/L		0.200	20	01/26/24 17:00	02/06/24 17:15	ACM
Selenium	05	SW6010D	<1.00 mg/L		1.00	20	01/26/24 17:00	02/06/24 17:15	ACM
Volatile Organic Compounds by GCMS									
1,1,1,2-Tetrachloroethane	05	SW8260D	<0.40 ug/L		0.40	1	01/26/24 15:51	01/26/24 15:51	RJB
1,1,1-Trichloroethane	05	SW8260D	<1.00 ug/L		1.00	1	01/26/24 15:51	01/26/24 15:51	RJB
1,1,2,2-Tetrachloroethane	05	SW8260D	<0.40 ug/L		0.40	1	01/26/24 15:51	01/26/24 15:51	RJB
1,1,2-Trichloroethane	05	SW8260D	<1.00 ug/L		1.00	1	01/26/24 15:51	01/26/24 15:51	RJB
1,1-Dichloroethane	05	SW8260D	<1.00 ug/L		1.00	1	01/26/24 15:51	01/26/24 15:51	RJB
1,1-Dichloroethylene	05	SW8260D	<1.00 ug/L		1.00	1	01/26/24 15:51	01/26/24 15:51	RJB
1,1-Dichloropropene	05	SW8260D	<1.00 ug/L		1.00	1	01/26/24 15:51	01/26/24 15:51	RJB
1,2,3-Trichlorobenzene	05	SW8260D	<1.00 ug/L		1.00	1	01/26/24 15:51	01/26/24 15:51	RJB
1,2,3-Trichloropropane	05	SW8260D	<1.00 ug/L		1.00	1	01/26/24 15:51	01/26/24 15:51	RJB
1,2,4-Trichlorobenzene	05	SW8260D	<1.00 ug/L		1.00	1	01/26/24 15:51	01/26/24 15:51	RJB
1,2,4-Trimethylbenzene	05	SW8260D	<1.00 ug/L		1.00	1	01/26/24 15:51	01/26/24 15:51	RJB
1,2-Dibromo-3-chloropropane (DBCP)	05	SW8260D	<1.00 ug/L		1.00	1	01/26/24 15:51	01/26/24 15:51	RJB
1,2-Dibromoethane (EDB)	05	SW8260D	<1.00 ug/L		1.00	1	01/26/24 15:51	01/26/24 15:51	RJB
1,2-Dichlorobenzene	05	SW8260D	<0.50 ug/L		0.50	1	01/26/24 15:51	01/26/24 15:51	RJB
1,2-Dichloroethane	05	SW8260D	<1.00 ug/L		1.00	1	01/26/24 15:51	01/26/24 15:51	RJB
1,2-Dichloropropane	05	SW8260D	<0.50 ug/L		0.50	1	01/26/24 15:51	01/26/24 15:51	RJB



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Certificate of Analysis

Final Report

Client Name: APEX Companies, LLC. -Richmond
203 Wylderose Court
Midlothian VA, 23113
Submitted To: Michael May
Client Site I.D.: Laurinburg Phase II

Date Issued: February 07, 2024 16:56
Project Number: 23012618
Purchase Order:

Laboratory Order ID: 24A1441

Analytical Results

Sample I.D. 122242618-5 SB-5

Laboratory Sample ID: 24A1441-05

Grab Date/Time: 01/22/2024 12:55

Field Residual CI:

Field pH:

Parameter	Samp ID	Method	Result	Qual	Reporting Limit	D.F.	Sample Prep Date/Time	Analysis Date/Time	Analyst
Volatile Organic Compounds by GCMS									
1,3,5-Trimethylbenzene	05	SW8260D	<1.00 ug/L		1.00	1	01/26/24 15:51	01/26/24 15:51	RJB
1,3-Dichlorobenzene	05	SW8260D	<1.00 ug/L		1.00	1	01/26/24 15:51	01/26/24 15:51	RJB
1,3-Dichloropropane	05	SW8260D	<1.00 ug/L		1.00	1	01/26/24 15:51	01/26/24 15:51	RJB
1,4-Dichlorobenzene	05	SW8260D	<1.00 ug/L		1.00	1	01/26/24 15:51	01/26/24 15:51	RJB
2,2-Dichloropropane	05	SW8260D	<1.00 ug/L		1.00	1	01/26/24 15:51	01/26/24 15:51	RJB
2-Butanone (MEK)	05	SW8260D	<10.0 ug/L		10.0	1	01/26/24 15:51	01/26/24 15:51	RJB
2-Chlorotoluene	05	SW8260D	<1.00 ug/L		1.00	1	01/26/24 15:51	01/26/24 15:51	RJB
2-Hexanone (MBK)	05	SW8260D	<5.00 ug/L		5.00	1	01/26/24 15:51	01/26/24 15:51	RJB
4-Chlorotoluene	05	SW8260D	<1.00 ug/L		1.00	1	01/26/24 15:51	01/26/24 15:51	RJB
4-Isopropyltoluene	05	SW8260D	<1.00 ug/L		1.00	1	01/26/24 15:51	01/26/24 15:51	RJB
4-Methyl-2-pentanone (MIBK)	05	SW8260D	<5.00 ug/L		5.00	1	01/26/24 15:51	01/26/24 15:51	RJB
Acetone	05	SW8260D	<10.0 ug/L		10.0	1	01/26/24 15:51	01/26/24 15:51	RJB
Benzene	05	SW8260D	<1.00 ug/L		1.00	1	01/26/24 15:51	01/26/24 15:51	RJB
Bromobenzene	05	SW8260D	<1.00 ug/L		1.00	1	01/26/24 15:51	01/26/24 15:51	RJB
Bromochloromethane	05	SW8260D	<1.00 ug/L		1.00	1	01/26/24 15:51	01/26/24 15:51	RJB
Bromodichloromethane	05	SW8260D	<0.50 ug/L		0.50	1	01/26/24 15:51	01/26/24 15:51	RJB
Bromoform	05	SW8260D	<1.00 ug/L		1.00	1	01/26/24 15:51	01/26/24 15:51	RJB
Bromomethane	05	SW8260D	<1.00 ug/L		1.00	1	01/26/24 15:51	01/26/24 15:51	RJB
Carbon disulfide	05	SW8260D	<10.0 ug/L		10.0	1	01/26/24 15:51	01/26/24 15:51	RJB
Carbon tetrachloride	05	SW8260D	<1.00 ug/L		1.00	1	01/26/24 15:51	01/26/24 15:51	RJB
Chlorobenzene	05	SW8260D	<1.00 ug/L		1.00	1	01/26/24 15:51	01/26/24 15:51	RJB
Chloroethane	05	SW8260D	<1.00 ug/L		1.00	1	01/26/24 15:51	01/26/24 15:51	RJB
Chloroform	05	SW8260D	<0.50 ug/L		0.50	1	01/26/24 15:51	01/26/24 15:51	RJB
Chloromethane	05	SW8260D	<1.00 ug/L		1.00	1	01/26/24 15:51	01/26/24 15:51	RJB
cis-1,2-Dichloroethylene	05	SW8260D	<1.00 ug/L		1.00	1	01/26/24 15:51	01/26/24 15:51	RJB
cis-1,3-Dichloropropene	05	SW8260D	<1.00 ug/L		1.00	1	01/26/24 15:51	01/26/24 15:51	RJB



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Certificate of Analysis

Final Report

Client Name: APEX Companies, LLC. -Richmond
203 Wylderose Court

Date Issued: February 07, 2024 16:56
Project Number: 23012618
Purchase Order:

Submitted To: Midlothian VA, 23113
Michael May
Client Site I.D.: Laurinburg Phase II

Laboratory Order ID: 24A1441

Analytical Results

Sample I.D. 122242618-5 SB-5

Laboratory Sample ID: 24A1441-05

Grab Date/Time: 01/22/2024 12:55

Field Residual Cl:

Field pH:

Parameter	Samp ID	Method	Result	Qual	Reporting Limit	D.F.	Sample Prep Date/Time	Analysis Date/Time	Analyst
Volatile Organic Compounds by GCMS									
Dibromochloromethane	05	SW8260D	<0.50 ug/L		0.50	1	01/26/24 15:51	01/26/24 15:51	RJB
Dibromomethane	05	SW8260D	<1.00 ug/L		1.00	1	01/26/24 15:51	01/26/24 15:51	RJB
Dichlorodifluoromethane	05	SW8260D	<1.00 ug/L		1.00	1	01/26/24 15:51	01/26/24 15:51	RJB
Di-isopropyl ether (DIPE)	05	SW8260D	<5.00 ug/L		5.00	1	01/26/24 15:51	01/26/24 15:51	RJB
Ethylbenzene	05	SW8260D	<1.00 ug/L		1.00	1	01/26/24 15:51	01/26/24 15:51	RJB
Hexachlorobutadiene	05	SW8260D	<0.80 ug/L		0.80	1	01/26/24 15:51	01/26/24 15:51	RJB
Iodomethane	05	SW8260D	<10.0 ug/L		10.0	1	01/26/24 15:51	01/26/24 15:51	RJB
Isopropylbenzene	05	SW8260D	<1.00 ug/L		1.00	1	01/26/24 15:51	01/26/24 15:51	RJB
m+p-Xylenes	05	SW8260D	<2.00 ug/L		2.00	1	01/26/24 15:51	01/26/24 15:51	RJB
Methylene chloride	05	SW8260D	<4.00 ug/L		4.00	1	01/26/24 15:51	01/26/24 15:51	RJB
Methyl-t-butyl ether (MTBE)	05	SW8260D	<1.00 ug/L		1.00	1	01/26/24 15:51	01/26/24 15:51	RJB
Naphthalene	05	SW8260D	<1.00 ug/L		1.00	1	01/26/24 15:51	01/26/24 15:51	RJB
n-Butylbenzene	05	SW8260D	<1.00 ug/L		1.00	1	01/26/24 15:51	01/26/24 15:51	RJB
n-Propylbenzene	05	SW8260D	<1.00 ug/L		1.00	1	01/26/24 15:51	01/26/24 15:51	RJB
o-Xylene	05	SW8260D	<1.00 ug/L		1.00	1	01/26/24 15:51	01/26/24 15:51	RJB
sec-Butylbenzene	05	SW8260D	<1.00 ug/L		1.00	1	01/26/24 15:51	01/26/24 15:51	RJB
Styrene	05	SW8260D	<1.00 ug/L		1.00	1	01/26/24 15:51	01/26/24 15:51	RJB
tert-Butylbenzene	05	SW8260D	<1.00 ug/L		1.00	1	01/26/24 15:51	01/26/24 15:51	RJB
Tetrachloroethylene (PCE)	05	SW8260D	<1.00 ug/L		1.00	1	01/26/24 15:51	01/26/24 15:51	RJB
Toluene	05	SW8260D	<1.00 ug/L		1.00	1	01/26/24 15:51	01/26/24 15:51	RJB
trans-1,2-Dichloroethylene	05	SW8260D	<1.00 ug/L		1.00	1	01/26/24 15:51	01/26/24 15:51	RJB
trans-1,3-Dichloropropene	05	SW8260D	<1.00 ug/L		1.00	1	01/26/24 15:51	01/26/24 15:51	RJB
Trichloroethylene	05	SW8260D	<1.00 ug/L		1.00	1	01/26/24 15:51	01/26/24 15:51	RJB
Trichlorofluoromethane	05	SW8260D	<1.00 ug/L		1.00	1	01/26/24 15:51	01/26/24 15:51	RJB
Vinyl acetate	05	SW8260D	<10.0 ug/L		10.0	1	01/26/24 15:51	01/26/24 15:51	RJB
Vinyl chloride	05	SW8260D	<0.50 ug/L		0.50	1	01/26/24 15:51	01/26/24 15:51	RJB



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Certificate of Analysis

Final Report

Client Name: APEX Companies, LLC. -Richmond
203 Wylderose Court
Midlothian VA, 23113
Submitted To: Michael May
Client Site I.D.: Laurinburg Phase II

Date Issued: February 07, 2024 16:56
Project Number: 23012618
Purchase Order:

Laboratory Order ID: 24A1441

Analytical Results

Sample I.D. 122242618-5 SB-5

Laboratory Sample ID: 24A1441-05

Grab Date/Time: 01/22/2024 12:55

Field Residual Cl:

Field pH:

Parameter	Samp ID	Method	Result	Qual	Reporting Limit	D.F.	Sample Prep Date/Time	Analysis Date/Time	Analyst
Volatile Organic Compounds by GCMS									
Xylenes, Total	05	SW8260D	<3.00 ug/L		3.00	1	01/26/24 15:51	01/26/24 15:51	RJB
Surr: 1,2-Dichloroethane-d4 (Surr)	05	SW8260D	86.7 %		70-120		01/26/24 15:51	01/26/24 15:51	RJB
Surr: 4-Bromofluorobenzene (Surr)	05	SW8260D	108 %		75-120		01/26/24 15:51	01/26/24 15:51	RJB
Surr: Dibromofluoromethane (Surr)	05	SW8260D	83.0 %		70-130		01/26/24 15:51	01/26/24 15:51	RJB
Surr: Toluene-d8 (Surr)	05	SW8260D	99.6 %		70-130		01/26/24 15:51	01/26/24 15:51	RJB



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Client Name: APEX Companies, LLC. -Richmond
203 Wylderose Court

Date Issued: February 07, 2024 16:56
Project Number: 23012618
Purchase Order:

Submitted To: Midlothian VA, 23113
Michael May
Client Site I.D.: Laurinburg Phase II

Laboratory Order ID: 24A1441

Analytical Results

Sample I.D. 122242618-6 SB-1-1

Laboratory Sample ID: 24A1441-06

Grab Date/Time: 01/22/2024 10:30

Field Residual Cl:

Field pH:

Parameter	Samp ID	Method	Result	Qual	Reporting Limit	D.F.	Sample Prep Date/Time	Analysis Date/Time	Analyst
Metals (Total) by EPA 6000/7000 Series Methods									
Silver	06	SW6010D	<0.978 mg/kg		0.978	2	01/29/24 10:45	02/01/24 12:13	ACM
Arsenic	06	SW6010D	2.07 mg/kg		1.96	2	01/29/24 10:45	02/01/24 12:13	ACM
Barium	06	SW6010D	9.68 mg/kg		0.978	2	01/29/24 10:45	02/01/24 12:13	ACM
Cadmium	06	SW6010D	<0.391 mg/kg		0.391	2	01/29/24 10:45	02/01/24 12:13	ACM
Chromium	06	SW6010D	18.2 mg/kg		0.978	2	01/29/24 10:45	02/01/24 12:13	ACM
Mercury	06	SW7471B	0.016 mg/kg		0.008	1	02/01/24 08:56	02/01/24 12:52	NBT
Lead	06	SW6010D	4.67 mg/kg		0.978	2	01/29/24 10:45	02/01/24 12:13	ACM
Selenium	06	SW6010D	<4.89 mg/kg		4.89	2	01/29/24 10:45	02/01/24 12:13	ACM
Volatile Organic Compounds by GCMS									
1,1,1,2-Tetrachloroethane	06	SW8260D	<5.00 ug/kg		5.00	1	01/25/24 18:49	01/25/24 18:49	RJB
1,1,1-Trichloroethane	06	SW8260D	<5.00 ug/kg		5.00	1	01/25/24 18:49	01/25/24 18:49	RJB
1,1,2,2-Tetrachloroethane	06	SW8260D	<5.00 ug/kg		5.00	1	01/25/24 18:49	01/25/24 18:49	RJB
1,1,2-Trichloroethane	06	SW8260D	<5.00 ug/kg		5.00	1	01/25/24 18:49	01/25/24 18:49	RJB
1,1-Dichloroethane	06	SW8260D	<5.00 ug/kg		5.00	1	01/25/24 18:49	01/25/24 18:49	RJB
1,1-Dichloroethylene	06	SW8260D	<5.00 ug/kg		5.00	1	01/25/24 18:49	01/25/24 18:49	RJB
1,1-Dichloropropene	06	SW8260D	<5.00 ug/kg		5.00	1	01/25/24 18:49	01/25/24 18:49	RJB
1,2,3-Trichlorobenzene	06	SW8260D	<5.00 ug/kg		5.00	1	01/25/24 18:49	01/25/24 18:49	RJB
1,2,3-Trichloropropane	06	SW8260D	<5.00 ug/kg		5.00	1	01/25/24 18:49	01/25/24 18:49	RJB
1,2,4-Trichlorobenzene	06	SW8260D	<5.00 ug/kg		5.00	1	01/25/24 18:49	01/25/24 18:49	RJB
1,2,4-Trimethylbenzene	06	SW8260D	<5.00 ug/kg		5.00	1	01/25/24 18:49	01/25/24 18:49	RJB
1,2-Dibromo-3-chloropropane (DBCP)	06	SW8260D	<5.00 ug/kg		5.00	1	01/25/24 18:49	01/25/24 18:49	RJB
1,2-Dibromoethane (EDB)	06	SW8260D	<5.00 ug/kg		5.00	1	01/25/24 18:49	01/25/24 18:49	RJB
1,2-Dichlorobenzene	06	SW8260D	<5.00 ug/kg		5.00	1	01/25/24 18:49	01/25/24 18:49	RJB
1,2-Dichloroethane	06	SW8260D	<5.00 ug/kg		5.00	1	01/25/24 18:49	01/25/24 18:49	RJB
1,2-Dichloropropane	06	SW8260D	<5.00 ug/kg		5.00	1	01/25/24 18:49	01/25/24 18:49	RJB



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Certificate of Analysis

Final Report

Client Name: APEX Companies, LLC. -Richmond
203 Wylderose Court

Date Issued: February 07, 2024 16:56
Project Number: 23012618
Purchase Order:

Submitted To: Midlothian VA, 23113
Michael May
Client Site I.D.: Laurinburg Phase II

Laboratory Order ID: 24A1441

Analytical Results

Sample I.D. 122242618-6 SB-1-1

Laboratory Sample ID: 24A1441-06

Grab Date/Time: 01/22/2024 10:30

Field Residual CI:

Field pH:

Parameter	Samp ID	Method	Result	Qual	Reporting Limit	D.F.	Sample Prep Date/Time	Analysis Date/Time	Analyst
Volatile Organic Compounds by GCMS									
1,3,5-Trimethylbenzene	06	SW8260D	<5.00 ug/kg		5.00	1	01/25/24 18:49	01/25/24 18:49	RJB
1,3-Dichlorobenzene	06	SW8260D	<5.00 ug/kg		5.00	1	01/25/24 18:49	01/25/24 18:49	RJB
1,3-Dichloropropane	06	SW8260D	<5.00 ug/kg		5.00	1	01/25/24 18:49	01/25/24 18:49	RJB
1,4-Dichlorobenzene	06	SW8260D	<5.00 ug/kg		5.00	1	01/25/24 18:49	01/25/24 18:49	RJB
2,2-Dichloropropane	06	SW8260D	<5.00 ug/kg		5.00	1	01/25/24 18:49	01/25/24 18:49	RJB
2-Butanone (MEK)	06	SW8260D	<5.00 ug/kg		5.00	1	01/25/24 18:49	01/25/24 18:49	RJB
2-Chlorotoluene	06	SW8260D	<5.00 ug/kg		5.00	1	01/25/24 18:49	01/25/24 18:49	RJB
2-Hexanone (MBK)	06	SW8260D	<5.00 ug/kg		5.00	1	01/25/24 18:49	01/25/24 18:49	RJB
4-Chlorotoluene	06	SW8260D	<5.00 ug/kg		5.00	1	01/25/24 18:49	01/25/24 18:49	RJB
4-Isopropyltoluene	06	SW8260D	<5.00 ug/kg		5.00	1	01/25/24 18:49	01/25/24 18:49	RJB
4-Methyl-2-pentanone (MIBK)	06	SW8260D	<5.00 ug/kg		5.00	1	01/25/24 18:49	01/25/24 18:49	RJB
Acetone	06	SW8260D	<10.0 ug/kg		10.0	1	01/25/24 18:49	01/25/24 18:49	RJB
Benzene	06	SW8260D	<5.00 ug/kg		5.00	1	01/25/24 18:49	01/25/24 18:49	RJB
Bromobenzene	06	SW8260D	<5.00 ug/kg		5.00	1	01/25/24 18:49	01/25/24 18:49	RJB
Bromochloromethane	06	SW8260D	<5.00 ug/kg		5.00	1	01/25/24 18:49	01/25/24 18:49	RJB
Bromodichloromethane	06	SW8260D	<5.00 ug/kg		5.00	1	01/25/24 18:49	01/25/24 18:49	RJB
Bromoform	06	SW8260D	<5.00 ug/kg	C	5.00	1	01/25/24 18:49	01/25/24 18:49	RJB
Bromomethane	06	SW8260D	<5.00 ug/kg		5.00	1	01/25/24 18:49	01/25/24 18:49	RJB
Carbon disulfide	06	SW8260D	<5.00 ug/kg		5.00	1	01/25/24 18:49	01/25/24 18:49	RJB
Carbon tetrachloride	06	SW8260D	<5.00 ug/kg		5.00	1	01/25/24 18:49	01/25/24 18:49	RJB
Chlorobenzene	06	SW8260D	<5.00 ug/kg		5.00	1	01/25/24 18:49	01/25/24 18:49	RJB
Chloroethane	06	SW8260D	<5.00 ug/kg		5.00	1	01/25/24 18:49	01/25/24 18:49	RJB
Chloroform	06	SW8260D	<5.00 ug/kg		5.00	1	01/25/24 18:49	01/25/24 18:49	RJB
Chloromethane	06	SW8260D	<5.00 ug/kg		5.00	1	01/25/24 18:49	01/25/24 18:49	RJB
cis-1,2-Dichloroethylene	06	SW8260D	<5.00 ug/kg		5.00	1	01/25/24 18:49	01/25/24 18:49	RJB
cis-1,3-Dichloropropene	06	SW8260D	<5.00 ug/kg		5.00	1	01/25/24 18:49	01/25/24 18:49	RJB



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Certificate of Analysis

Final Report

Client Name: APEX Companies, LLC. -Richmond
203 Wylderose Court

Date Issued: February 07, 2024 16:56
Project Number: 23012618
Purchase Order:

Submitted To: Midlothian VA, 23113
Michael May
Client Site I.D.: Laurinburg Phase II

Laboratory Order ID: 24A1441

Analytical Results

Sample I.D. 122242618-6 SB-1-1

Laboratory Sample ID: 24A1441-06

Grab Date/Time: 01/22/2024 10:30

Field Residual CI:

Field pH:

Parameter	Samp ID	Method	Result	Qual	Reporting Limit	D.F.	Sample Prep Date/Time	Analysis Date/Time	Analyst
Volatile Organic Compounds by GCMS									
Dibromochloromethane	06	SW8260D	<5.00 ug/kg		5.00	1	01/25/24 18:49	01/25/24 18:49	RJB
Dibromomethane	06	SW8260D	<5.00 ug/kg		5.00	1	01/25/24 18:49	01/25/24 18:49	RJB
Dichlorodifluoromethane	06	SW8260D	<5.00 ug/kg		5.00	1	01/25/24 18:49	01/25/24 18:49	RJB
Di-isopropyl ether (DIPE)	06	SW8260D	<5.00 ug/kg		5.00	1	01/25/24 18:49	01/25/24 18:49	RJB
Ethylbenzene	06	SW8260D	<5.00 ug/kg		5.00	1	01/25/24 18:49	01/25/24 18:49	RJB
Hexachlorobutadiene	06	SW8260D	<5.00 ug/kg		5.00	1	01/25/24 18:49	01/25/24 18:49	RJB
Iodomethane	06	SW8260D	<10.0 ug/kg		10.0	1	01/25/24 18:49	01/25/24 18:49	RJB
Isopropylbenzene	06	SW8260D	<5.00 ug/kg		5.00	1	01/25/24 18:49	01/25/24 18:49	RJB
m+p-Xylenes	06	SW8260D	<5.00 ug/kg		5.00	1	01/25/24 18:49	01/25/24 18:49	RJB
Methylene chloride	06	SW8260D	<5.00 ug/kg		5.00	1	01/25/24 18:49	01/25/24 18:49	RJB
Methyl-t-butyl ether (MTBE)	06	SW8260D	<5.00 ug/kg		5.00	1	01/25/24 18:49	01/25/24 18:49	RJB
Naphthalene	06	SW8260D	<5.00 ug/kg		5.00	1	01/25/24 18:49	01/25/24 18:49	RJB
n-Butylbenzene	06	SW8260D	<5.00 ug/kg		5.00	1	01/25/24 18:49	01/25/24 18:49	RJB
n-Propylbenzene	06	SW8260D	<5.00 ug/kg		5.00	1	01/25/24 18:49	01/25/24 18:49	RJB
o-Xylene	06	SW8260D	<5.00 ug/kg		5.00	1	01/25/24 18:49	01/25/24 18:49	RJB
sec-Butylbenzene	06	SW8260D	<5.00 ug/kg		5.00	1	01/25/24 18:49	01/25/24 18:49	RJB
Styrene	06	SW8260D	<5.00 ug/kg		5.00	1	01/25/24 18:49	01/25/24 18:49	RJB
tert-Butylbenzene	06	SW8260D	<5.00 ug/kg		5.00	1	01/25/24 18:49	01/25/24 18:49	RJB
Tetrachloroethylene (PCE)	06	SW8260D	<5.00 ug/kg		5.00	1	01/25/24 18:49	01/25/24 18:49	RJB
Toluene	06	SW8260D	<5.00 ug/kg		5.00	1	01/25/24 18:49	01/25/24 18:49	RJB
trans-1,2-Dichloroethylene	06	SW8260D	<5.00 ug/kg		5.00	1	01/25/24 18:49	01/25/24 18:49	RJB
trans-1,3-Dichloropropene	06	SW8260D	<5.00 ug/kg		5.00	1	01/25/24 18:49	01/25/24 18:49	RJB
Trichloroethylene	06	SW8260D	<5.00 ug/kg		5.00	1	01/25/24 18:49	01/25/24 18:49	RJB
Trichlorofluoromethane	06	SW8260D	<5.00 ug/kg		5.00	1	01/25/24 18:49	01/25/24 18:49	RJB
Vinyl acetate	06	SW8260D	<10.0 ug/kg		10.0	1	01/25/24 18:49	01/25/24 18:49	RJB
Vinyl chloride	06	SW8260D	<5.00 ug/kg		5.00	1	01/25/24 18:49	01/25/24 18:49	RJB



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Certificate of Analysis

Final Report

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203 Wylderose Court
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Submitted To: Michael May
Client Site I.D.: Laurinburg Phase II

Date Issued: February 07, 2024 16:56
Project Number: 23012618
Purchase Order:

Laboratory Order ID: 24A1441

Analytical Results

Sample I.D. 122242618-6 SB-1-1

Laboratory Sample ID: 24A1441-06

Grab Date/Time: 01/22/2024 10:30

Field Residual Cl:

Field pH:

Parameter	Samp ID	Method	Result	Qual	Reporting Limit	D.F.	Sample Prep Date/Time	Analysis Date/Time	Analyst
Volatile Organic Compounds by GCMS									
Xylenes, Total	06	SW8260D	<15.0 ug/kg		15.0	1	01/25/24 18:49	01/25/24 18:49	RJB
Surr: 1,2-Dichloroethane-d4 (Surr)	06	SW8260D	89.3 %		80-120		01/25/24 18:49	01/25/24 18:49	RJB
Surr: 4-Bromofluorobenzene (Surr)	06	SW8260D	102 %		85-120		01/25/24 18:49	01/25/24 18:49	RJB
Surr: Dibromofluoromethane (Surr)	06	SW8260D	89.2 %		80-130		01/25/24 18:49	01/25/24 18:49	RJB
Surr: Toluene-d8 (Surr)	06	SW8260D	98.8 %		85-115		01/25/24 18:49	01/25/24 18:49	RJB



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Date Issued: February 07, 2024 16:56
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Submitted To: Midlothian VA, 23113
Michael May
Client Site I.D.: Laurinburg Phase II

Laboratory Order ID: 24A1441

Analytical Results

Sample I.D. 122242618-7 SB-3-5

Laboratory Sample ID: 24A1441-07

Grab Date/Time: 01/22/2024 11:55

Field Residual Cl:

Field pH:

Parameter	Samp ID	Method	Result	Qual	Reporting Limit	D.F.	Sample Prep Date/Time	Analysis Date/Time	Analyst
Metals (Total) by EPA 6000/7000 Series Methods									
Silver	07	SW6010D	<2.48 mg/kg		2.48	5	01/29/24 10:45	02/01/24 12:27	ACM
Arsenic	07	SW6010D	<4.95 mg/kg		4.95	5	01/29/24 10:45	02/01/24 12:27	ACM
Barium	07	SW6010D	<2.48 mg/kg		2.48	5	01/29/24 10:45	02/01/24 12:27	ACM
Cadmium	07	SW6010D	<0.990 mg/kg		0.990	5	01/29/24 10:45	02/01/24 12:27	ACM
Chromium	07	SW6010D	4.08 mg/kg		2.48	5	01/29/24 10:45	02/01/24 12:27	ACM
Mercury	07	SW7471B	<0.008 mg/kg		0.008	1	02/01/24 08:56	02/01/24 12:54	NBT
Lead	07	SW6010D	2.85 mg/kg		2.48	5	01/29/24 10:45	02/01/24 12:27	ACM
Selenium	07	SW6010D	<12.4 mg/kg		12.4	5	01/29/24 10:45	02/01/24 12:27	ACM
Volatile Organic Compounds by GCMS									
1,1,1,2-Tetrachloroethane	07RE1	SW8260D	<250 ug/kg		250	50	01/26/24 18:21	01/26/24 18:21	RJB
1,1,1-Trichloroethane	07RE1	SW8260D	<250 ug/kg		250	50	01/26/24 18:21	01/26/24 18:21	RJB
1,1,2,2-Tetrachloroethane	07RE1	SW8260D	<250 ug/kg		250	50	01/26/24 18:21	01/26/24 18:21	RJB
1,1,2-Trichloroethane	07RE1	SW8260D	<250 ug/kg		250	50	01/26/24 18:21	01/26/24 18:21	RJB
1,1-Dichloroethane	07RE1	SW8260D	<250 ug/kg		250	50	01/26/24 18:21	01/26/24 18:21	RJB
1,1-Dichloroethylene	07RE1	SW8260D	<250 ug/kg		250	50	01/26/24 18:21	01/26/24 18:21	RJB
1,1-Dichloropropene	07RE1	SW8260D	<250 ug/kg		250	50	01/26/24 18:21	01/26/24 18:21	RJB
1,2,3-Trichlorobenzene	07RE1	SW8260D	<250 ug/kg		250	50	01/26/24 18:21	01/26/24 18:21	RJB
1,2,3-Trichloropropane	07RE1	SW8260D	<250 ug/kg		250	50	01/26/24 18:21	01/26/24 18:21	RJB
1,2,4-Trichlorobenzene	07RE1	SW8260D	<250 ug/kg		250	50	01/26/24 18:21	01/26/24 18:21	RJB
1,2,4-Trimethylbenzene	07RE1	SW8260D	<250 ug/kg		250	50	01/26/24 18:21	01/26/24 18:21	RJB
1,2-Dibromo-3-chloropropane (DBCP)	07RE1	SW8260D	<250 ug/kg		250	50	01/26/24 18:21	01/26/24 18:21	RJB
1,2-Dibromoethane (EDB)	07RE1	SW8260D	<250 ug/kg		250	50	01/26/24 18:21	01/26/24 18:21	RJB
1,2-Dichlorobenzene	07RE1	SW8260D	<250 ug/kg		250	50	01/26/24 18:21	01/26/24 18:21	RJB
1,2-Dichloroethane	07RE1	SW8260D	<250 ug/kg		250	50	01/26/24 18:21	01/26/24 18:21	RJB
1,2-Dichloropropane	07RE1	SW8260D	<250 ug/kg		250	50	01/26/24 18:21	01/26/24 18:21	RJB



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Certificate of Analysis

Final Report

Client Name: APEX Companies, LLC. -Richmond
203 Wylderose Court

Date Issued: February 07, 2024 16:56
Project Number: 23012618
Purchase Order:

Submitted To: Midlothian VA, 23113
Michael May
Client Site I.D.: Laurinburg Phase II

Laboratory Order ID: 24A1441

Analytical Results

Sample I.D. 122242618-7 SB-3-5

Laboratory Sample ID: 24A1441-07

Grab Date/Time: 01/22/2024 11:55

Field Residual CI:

Field pH:

Parameter	Samp ID	Method	Result	Qual	Reporting Limit	D.F.	Sample Prep Date/Time	Analysis Date/Time	Analyst
Volatile Organic Compounds by GCMS									
1,3,5-Trimethylbenzene	07RE1	SW8260D	<250 ug/kg		250	50	01/26/24 18:21	01/26/24 18:21	RJB
1,3-Dichlorobenzene	07RE1	SW8260D	<250 ug/kg		250	50	01/26/24 18:21	01/26/24 18:21	RJB
1,3-Dichloropropane	07RE1	SW8260D	<250 ug/kg		250	50	01/26/24 18:21	01/26/24 18:21	RJB
1,4-Dichlorobenzene	07RE1	SW8260D	<250 ug/kg		250	50	01/26/24 18:21	01/26/24 18:21	RJB
2,2-Dichloropropane	07RE1	SW8260D	<250 ug/kg		250	50	01/26/24 18:21	01/26/24 18:21	RJB
2-Butanone (MEK)	07RE1	SW8260D	<250 ug/kg		250	50	01/26/24 18:21	01/26/24 18:21	RJB
2-Chlorotoluene	07RE1	SW8260D	<250 ug/kg		250	50	01/26/24 18:21	01/26/24 18:21	RJB
2-Hexanone (MBK)	07RE1	SW8260D	<250 ug/kg		250	50	01/26/24 18:21	01/26/24 18:21	RJB
4-Chlorotoluene	07RE1	SW8260D	<250 ug/kg		250	50	01/26/24 18:21	01/26/24 18:21	RJB
4-Isopropyltoluene	07RE1	SW8260D	<250 ug/kg		250	50	01/26/24 18:21	01/26/24 18:21	RJB
4-Methyl-2-pentanone (MIBK)	07RE1	SW8260D	<250 ug/kg		250	50	01/26/24 18:21	01/26/24 18:21	RJB
Acetone	07RE1	SW8260D	<499 ug/kg		499	50	01/26/24 18:21	01/26/24 18:21	RJB
Benzene	07RE1	SW8260D	<250 ug/kg		250	50	01/26/24 18:21	01/26/24 18:21	RJB
Bromobenzene	07RE1	SW8260D	<250 ug/kg		250	50	01/26/24 18:21	01/26/24 18:21	RJB
Bromochloromethane	07RE1	SW8260D	<250 ug/kg		250	50	01/26/24 18:21	01/26/24 18:21	RJB
Bromodichloromethane	07RE1	SW8260D	<250 ug/kg		250	50	01/26/24 18:21	01/26/24 18:21	RJB
Bromoform	07RE1	SW8260D	<250 ug/kg	C	250	50	01/26/24 18:21	01/26/24 18:21	RJB
Bromomethane	07RE1	SW8260D	<250 ug/kg		250	50	01/26/24 18:21	01/26/24 18:21	RJB
Carbon disulfide	07RE1	SW8260D	<250 ug/kg		250	50	01/26/24 18:21	01/26/24 18:21	RJB
Carbon tetrachloride	07RE1	SW8260D	<250 ug/kg		250	50	01/26/24 18:21	01/26/24 18:21	RJB
Chlorobenzene	07RE1	SW8260D	<250 ug/kg		250	50	01/26/24 18:21	01/26/24 18:21	RJB
Chloroethane	07RE1	SW8260D	<250 ug/kg		250	50	01/26/24 18:21	01/26/24 18:21	RJB
Chloroform	07RE1	SW8260D	<250 ug/kg		250	50	01/26/24 18:21	01/26/24 18:21	RJB
Chloromethane	07RE1	SW8260D	<250 ug/kg		250	50	01/26/24 18:21	01/26/24 18:21	RJB
cis-1,2-Dichloroethylene	07RE1	SW8260D	<250 ug/kg		250	50	01/26/24 18:21	01/26/24 18:21	RJB
cis-1,3-Dichloropropene	07RE1	SW8260D	<250 ug/kg		250	50	01/26/24 18:21	01/26/24 18:21	RJB



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Certificate of Analysis

Final Report

Client Name: APEX Companies, LLC. -Richmond
203 Wylderose Court

Date Issued: February 07, 2024 16:56
Project Number: 23012618
Purchase Order:

Submitted To: Midlothian VA, 23113
Michael May
Client Site I.D.: Laurinburg Phase II

Laboratory Order ID: 24A1441

Analytical Results

Sample I.D. 122242618-7 SB-3-5

Laboratory Sample ID: 24A1441-07

Grab Date/Time: 01/22/2024 11:55

Field Residual Cl:

Field pH:

Parameter	Samp ID	Method	Result	Qual	Reporting Limit	D.F.	Sample Prep Date/Time	Analysis Date/Time	Analyst
Volatile Organic Compounds by GCMS									
Dibromochloromethane	07RE1	SW8260D	<250 ug/kg		250	50	01/26/24 18:21	01/26/24 18:21	RJB
Dibromomethane	07RE1	SW8260D	<250 ug/kg		250	50	01/26/24 18:21	01/26/24 18:21	RJB
Dichlorodifluoromethane	07RE1	SW8260D	<250 ug/kg		250	50	01/26/24 18:21	01/26/24 18:21	RJB
Di-isopropyl ether (DIPE)	07RE1	SW8260D	<250 ug/kg		250	50	01/26/24 18:21	01/26/24 18:21	RJB
Ethylbenzene	07RE1	SW8260D	<250 ug/kg		250	50	01/26/24 18:21	01/26/24 18:21	RJB
Hexachlorobutadiene	07RE1	SW8260D	<250 ug/kg		250	50	01/26/24 18:21	01/26/24 18:21	RJB
Iodomethane	07RE1	SW8260D	<499 ug/kg		499	50	01/26/24 18:21	01/26/24 18:21	RJB
Isopropylbenzene	07RE1	SW8260D	<250 ug/kg		250	50	01/26/24 18:21	01/26/24 18:21	RJB
m+p-Xylenes	07RE1	SW8260D	<250 ug/kg		250	50	01/26/24 18:21	01/26/24 18:21	RJB
Methylene chloride	07RE1	SW8260D	<250 ug/kg		250	50	01/26/24 18:21	01/26/24 18:21	RJB
Methyl-t-butyl ether (MTBE)	07RE1	SW8260D	<250 ug/kg		250	50	01/26/24 18:21	01/26/24 18:21	RJB
Naphthalene	07RE1	SW8260D	<250 ug/kg		250	50	01/26/24 18:21	01/26/24 18:21	RJB
n-Butylbenzene	07RE1	SW8260D	<250 ug/kg		250	50	01/26/24 18:21	01/26/24 18:21	RJB
n-Propylbenzene	07RE1	SW8260D	<250 ug/kg		250	50	01/26/24 18:21	01/26/24 18:21	RJB
o-Xylene	07RE1	SW8260D	<250 ug/kg		250	50	01/26/24 18:21	01/26/24 18:21	RJB
sec-Butylbenzene	07RE1	SW8260D	<250 ug/kg		250	50	01/26/24 18:21	01/26/24 18:21	RJB
Styrene	07RE1	SW8260D	<250 ug/kg		250	50	01/26/24 18:21	01/26/24 18:21	RJB
tert-Butylbenzene	07RE1	SW8260D	<250 ug/kg		250	50	01/26/24 18:21	01/26/24 18:21	RJB
Tetrachloroethylene (PCE)	07RE1	SW8260D	<250 ug/kg		250	50	01/26/24 18:21	01/26/24 18:21	RJB
Toluene	07RE1	SW8260D	<250 ug/kg		250	50	01/26/24 18:21	01/26/24 18:21	RJB
trans-1,2-Dichloroethylene	07RE1	SW8260D	<250 ug/kg		250	50	01/26/24 18:21	01/26/24 18:21	RJB
trans-1,3-Dichloropropene	07RE1	SW8260D	<250 ug/kg		250	50	01/26/24 18:21	01/26/24 18:21	RJB
Trichloroethylene	07RE1	SW8260D	<250 ug/kg		250	50	01/26/24 18:21	01/26/24 18:21	RJB
Trichlorofluoromethane	07RE1	SW8260D	<250 ug/kg		250	50	01/26/24 18:21	01/26/24 18:21	RJB
Vinyl acetate	07RE1	SW8260D	<499 ug/kg		499	50	01/26/24 18:21	01/26/24 18:21	RJB
Vinyl chloride	07RE1	SW8260D	<250 ug/kg		250	50	01/26/24 18:21	01/26/24 18:21	RJB



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Certificate of Analysis

Final Report

Client Name: APEX Companies, LLC. -Richmond
203 Wylderose Court
Midlothian VA, 23113
Submitted To: Michael May
Client Site I.D.: Laurinburg Phase II

Date Issued: February 07, 2024 16:56
Project Number: 23012618
Purchase Order:

Laboratory Order ID: 24A1441

Analytical Results

Sample I.D. 122242618-7 SB-3-5

Laboratory Sample ID: 24A1441-07

Grab Date/Time: 01/22/2024 11:55

Field Residual Cl:

Field pH:

Parameter	Samp ID	Method	Result	Qual	Reporting Limit	D.F.	Sample Prep Date/Time	Analysis Date/Time	Analyst
Volatile Organic Compounds by GCMS									
Xylenes, Total	07RE1	SW8260D	<749 ug/kg		749	50	01/26/24 18:21	01/26/24 18:21	RJB
Surr: 1,2-Dichloroethane-d4 (Surr)	07RE1	SW8260D	92.3 %		80-120		01/26/24 18:21	01/26/24 18:21	RJB
Surr: 4-Bromofluorobenzene (Surr)	07RE1	SW8260D	99.3 %		85-120		01/26/24 18:21	01/26/24 18:21	RJB
Surr: Dibromofluoromethane (Surr)	07RE1	SW8260D	89.3 %		80-130		01/26/24 18:21	01/26/24 18:21	RJB
Surr: Toluene-d8 (Surr)	07RE1	SW8260D	98.5 %		85-115		01/26/24 18:21	01/26/24 18:21	RJB



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Final Report

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Date Issued: February 07, 2024 16:56
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Submitted To: Midlothian VA, 23113
Michael May
Client Site I.D.: Laurinburg Phase II

Laboratory Order ID: 24A1441

Analytical Results

Sample I.D. 122242618-8 SB-5-1

Laboratory Sample ID: 24A1441-08

Grab Date/Time: 01/22/2024 13:05

Field Residual Cl:

Field pH:

Parameter	Samp ID	Method	Result	Qual	Reporting Limit	D.F.	Sample Prep Date/Time	Analysis Date/Time	Analyst
Metals (Total) by EPA 6000/7000 Series Methods									
Silver	08	SW6010D	<0.970 mg/kg		0.970	2	01/29/24 10:45	02/01/24 12:17	ACM
Arsenic	08	SW6010D	<1.94 mg/kg		1.94	2	01/29/24 10:45	02/01/24 12:17	ACM
Barium	08	SW6010D	12.6 mg/kg		0.970	2	01/29/24 10:45	02/01/24 12:17	ACM
Cadmium	08	SW6010D	<0.388 mg/kg		0.388	2	01/29/24 10:45	02/01/24 12:17	ACM
Chromium	08	SW6010D	8.17 mg/kg		0.970	2	01/29/24 10:45	02/01/24 12:17	ACM
Mercury	08	SW7471B	0.014 mg/kg		0.008	1	02/01/24 08:56	02/01/24 12:56	NBT
Lead	08	SW6010D	4.31 mg/kg		0.970	2	01/29/24 10:45	02/01/24 12:17	ACM
Selenium	08	SW6010D	<4.85 mg/kg		4.85	2	01/29/24 10:45	02/01/24 12:17	ACM
Volatile Organic Compounds by GCMS									
1,1,1,2-Tetrachloroethane	08	SW8260D	<5.00 ug/kg		5.00	1	01/25/24 19:35	01/25/24 19:35	RJB
1,1,1-Trichloroethane	08	SW8260D	<5.00 ug/kg		5.00	1	01/25/24 19:35	01/25/24 19:35	RJB
1,1,2,2-Tetrachloroethane	08	SW8260D	<5.00 ug/kg		5.00	1	01/25/24 19:35	01/25/24 19:35	RJB
1,1,2-Trichloroethane	08	SW8260D	<5.00 ug/kg		5.00	1	01/25/24 19:35	01/25/24 19:35	RJB
1,1-Dichloroethane	08	SW8260D	<5.00 ug/kg		5.00	1	01/25/24 19:35	01/25/24 19:35	RJB
1,1-Dichloroethylene	08	SW8260D	<5.00 ug/kg		5.00	1	01/25/24 19:35	01/25/24 19:35	RJB
1,1-Dichloropropene	08	SW8260D	<5.00 ug/kg		5.00	1	01/25/24 19:35	01/25/24 19:35	RJB
1,2,3-Trichlorobenzene	08	SW8260D	<5.00 ug/kg		5.00	1	01/25/24 19:35	01/25/24 19:35	RJB
1,2,3-Trichloropropane	08	SW8260D	<5.00 ug/kg		5.00	1	01/25/24 19:35	01/25/24 19:35	RJB
1,2,4-Trichlorobenzene	08	SW8260D	<5.00 ug/kg		5.00	1	01/25/24 19:35	01/25/24 19:35	RJB
1,2,4-Trimethylbenzene	08	SW8260D	<5.00 ug/kg		5.00	1	01/25/24 19:35	01/25/24 19:35	RJB
1,2-Dibromo-3-chloropropane (DBCP)	08	SW8260D	<5.00 ug/kg		5.00	1	01/25/24 19:35	01/25/24 19:35	RJB
1,2-Dibromoethane (EDB)	08	SW8260D	<5.00 ug/kg		5.00	1	01/25/24 19:35	01/25/24 19:35	RJB
1,2-Dichlorobenzene	08	SW8260D	<5.00 ug/kg		5.00	1	01/25/24 19:35	01/25/24 19:35	RJB
1,2-Dichloroethane	08	SW8260D	<5.00 ug/kg		5.00	1	01/25/24 19:35	01/25/24 19:35	RJB
1,2-Dichloropropane	08	SW8260D	<5.00 ug/kg		5.00	1	01/25/24 19:35	01/25/24 19:35	RJB



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Certificate of Analysis

Final Report

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Michael May
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Laboratory Order ID: 24A1441

Analytical Results

Sample I.D. 122242618-8 SB-5-1

Laboratory Sample ID: 24A1441-08

Grab Date/Time: 01/22/2024 13:05

Field Residual CI:

Field pH:

Parameter	Samp ID	Method	Result	Qual	Reporting Limit	D.F.	Sample Prep Date/Time	Analysis Date/Time	Analyst
Volatile Organic Compounds by GCMS									
1,3,5-Trimethylbenzene	08	SW8260D	<5.00 ug/kg		5.00	1	01/25/24 19:35	01/25/24 19:35	RJB
1,3-Dichlorobenzene	08	SW8260D	<5.00 ug/kg		5.00	1	01/25/24 19:35	01/25/24 19:35	RJB
1,3-Dichloropropane	08	SW8260D	<5.00 ug/kg		5.00	1	01/25/24 19:35	01/25/24 19:35	RJB
1,4-Dichlorobenzene	08	SW8260D	<5.00 ug/kg		5.00	1	01/25/24 19:35	01/25/24 19:35	RJB
2,2-Dichloropropane	08	SW8260D	<5.00 ug/kg		5.00	1	01/25/24 19:35	01/25/24 19:35	RJB
2-Butanone (MEK)	08	SW8260D	<5.00 ug/kg		5.00	1	01/25/24 19:35	01/25/24 19:35	RJB
2-Chlorotoluene	08	SW8260D	<5.00 ug/kg		5.00	1	01/25/24 19:35	01/25/24 19:35	RJB
2-Hexanone (MBK)	08	SW8260D	<5.00 ug/kg		5.00	1	01/25/24 19:35	01/25/24 19:35	RJB
4-Chlorotoluene	08	SW8260D	<5.00 ug/kg		5.00	1	01/25/24 19:35	01/25/24 19:35	RJB
4-Isopropyltoluene	08	SW8260D	<5.00 ug/kg		5.00	1	01/25/24 19:35	01/25/24 19:35	RJB
4-Methyl-2-pentanone (MIBK)	08	SW8260D	<5.00 ug/kg		5.00	1	01/25/24 19:35	01/25/24 19:35	RJB
Acetone	08	SW8260D	<10.0 ug/kg		10.0	1	01/25/24 19:35	01/25/24 19:35	RJB
Benzene	08	SW8260D	<5.00 ug/kg		5.00	1	01/25/24 19:35	01/25/24 19:35	RJB
Bromobenzene	08	SW8260D	<5.00 ug/kg		5.00	1	01/25/24 19:35	01/25/24 19:35	RJB
Bromochloromethane	08	SW8260D	<5.00 ug/kg		5.00	1	01/25/24 19:35	01/25/24 19:35	RJB
Bromodichloromethane	08	SW8260D	<5.00 ug/kg		5.00	1	01/25/24 19:35	01/25/24 19:35	RJB
Bromoform	08	SW8260D	<5.00 ug/kg	C	5.00	1	01/25/24 19:35	01/25/24 19:35	RJB
Bromomethane	08	SW8260D	<5.00 ug/kg		5.00	1	01/25/24 19:35	01/25/24 19:35	RJB
Carbon disulfide	08	SW8260D	<5.00 ug/kg		5.00	1	01/25/24 19:35	01/25/24 19:35	RJB
Carbon tetrachloride	08	SW8260D	<5.00 ug/kg		5.00	1	01/25/24 19:35	01/25/24 19:35	RJB
Chlorobenzene	08	SW8260D	<5.00 ug/kg		5.00	1	01/25/24 19:35	01/25/24 19:35	RJB
Chloroethane	08	SW8260D	<5.00 ug/kg		5.00	1	01/25/24 19:35	01/25/24 19:35	RJB
Chloroform	08	SW8260D	<5.00 ug/kg		5.00	1	01/25/24 19:35	01/25/24 19:35	RJB
Chloromethane	08	SW8260D	<5.00 ug/kg		5.00	1	01/25/24 19:35	01/25/24 19:35	RJB
cis-1,2-Dichloroethylene	08	SW8260D	<5.00 ug/kg		5.00	1	01/25/24 19:35	01/25/24 19:35	RJB
cis-1,3-Dichloropropene	08	SW8260D	<5.00 ug/kg		5.00	1	01/25/24 19:35	01/25/24 19:35	RJB



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Michael May
Client Site I.D.: Laurinburg Phase II

Laboratory Order ID: 24A1441

Analytical Results

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Laboratory Sample ID: 24A1441-08

Grab Date/Time: 01/22/2024 13:05

Field Residual CI:

Field pH:

Parameter	Samp ID	Method	Result	Qual	Reporting Limit	D.F.	Sample Prep Date/Time	Analysis Date/Time	Analyst
Volatile Organic Compounds by GCMS									
Dibromochloromethane	08	SW8260D	<5.00 ug/kg		5.00	1	01/25/24 19:35	01/25/24 19:35	RJB
Dibromomethane	08	SW8260D	<5.00 ug/kg		5.00	1	01/25/24 19:35	01/25/24 19:35	RJB
Dichlorodifluoromethane	08	SW8260D	<5.00 ug/kg		5.00	1	01/25/24 19:35	01/25/24 19:35	RJB
Di-isopropyl ether (DIPE)	08	SW8260D	<5.00 ug/kg		5.00	1	01/25/24 19:35	01/25/24 19:35	RJB
Ethylbenzene	08	SW8260D	<5.00 ug/kg		5.00	1	01/25/24 19:35	01/25/24 19:35	RJB
Hexachlorobutadiene	08	SW8260D	<5.00 ug/kg		5.00	1	01/25/24 19:35	01/25/24 19:35	RJB
Iodomethane	08	SW8260D	<10.0 ug/kg		10.0	1	01/25/24 19:35	01/25/24 19:35	RJB
Isopropylbenzene	08	SW8260D	<5.00 ug/kg		5.00	1	01/25/24 19:35	01/25/24 19:35	RJB
m+p-Xylenes	08	SW8260D	<5.00 ug/kg		5.00	1	01/25/24 19:35	01/25/24 19:35	RJB
Methylene chloride	08	SW8260D	<5.00 ug/kg		5.00	1	01/25/24 19:35	01/25/24 19:35	RJB
Methyl-t-butyl ether (MTBE)	08	SW8260D	<5.00 ug/kg		5.00	1	01/25/24 19:35	01/25/24 19:35	RJB
Naphthalene	08	SW8260D	<5.00 ug/kg		5.00	1	01/25/24 19:35	01/25/24 19:35	RJB
n-Butylbenzene	08	SW8260D	<5.00 ug/kg		5.00	1	01/25/24 19:35	01/25/24 19:35	RJB
n-Propylbenzene	08	SW8260D	<5.00 ug/kg		5.00	1	01/25/24 19:35	01/25/24 19:35	RJB
o-Xylene	08	SW8260D	<5.00 ug/kg		5.00	1	01/25/24 19:35	01/25/24 19:35	RJB
sec-Butylbenzene	08	SW8260D	<5.00 ug/kg		5.00	1	01/25/24 19:35	01/25/24 19:35	RJB
Styrene	08	SW8260D	<5.00 ug/kg		5.00	1	01/25/24 19:35	01/25/24 19:35	RJB
tert-Butylbenzene	08	SW8260D	<5.00 ug/kg		5.00	1	01/25/24 19:35	01/25/24 19:35	RJB
Tetrachloroethylene (PCE)	08	SW8260D	<5.00 ug/kg		5.00	1	01/25/24 19:35	01/25/24 19:35	RJB
Toluene	08	SW8260D	<5.00 ug/kg		5.00	1	01/25/24 19:35	01/25/24 19:35	RJB
trans-1,2-Dichloroethylene	08	SW8260D	<5.00 ug/kg		5.00	1	01/25/24 19:35	01/25/24 19:35	RJB
trans-1,3-Dichloropropene	08	SW8260D	<5.00 ug/kg		5.00	1	01/25/24 19:35	01/25/24 19:35	RJB
Trichloroethylene	08	SW8260D	<5.00 ug/kg		5.00	1	01/25/24 19:35	01/25/24 19:35	RJB
Trichlorofluoromethane	08	SW8260D	<5.00 ug/kg		5.00	1	01/25/24 19:35	01/25/24 19:35	RJB
Vinyl acetate	08	SW8260D	<10.0 ug/kg		10.0	1	01/25/24 19:35	01/25/24 19:35	RJB
Vinyl chloride	08	SW8260D	<5.00 ug/kg		5.00	1	01/25/24 19:35	01/25/24 19:35	RJB



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Certificate of Analysis

Final Report

Client Name: APEX Companies, LLC. -Richmond
203 Wylderose Court
Midlothian VA, 23113
Submitted To: Michael May
Client Site I.D.: Laurinburg Phase II

Date Issued: February 07, 2024 16:56
Project Number: 23012618
Purchase Order:

Laboratory Order ID: 24A1441

Analytical Results

Sample I.D. 122242618-8 SB-5-1 Laboratory Sample ID: 24A1441-08

Grab Date/Time: 01/22/2024 13:05

Field Residual Cl: Field pH:

Parameter	Samp ID	Method	Result	Qual	Reporting Limit	D.F.	Sample Prep Date/Time	Analysis Date/Time	Analyst
Volatile Organic Compounds by GCMS									
Xylenes, Total	08	SW8260D	<15.0 ug/kg		15.0	1	01/25/24 19:35	01/25/24 19:35	RJB
Surr: 1,2-Dichloroethane-d4 (Surr)	08	SW8260D	88.6 %		80-120		01/25/24 19:35	01/25/24 19:35	RJB
Surr: 4-Bromofluorobenzene (Surr)	08	SW8260D	102 %		85-120		01/25/24 19:35	01/25/24 19:35	RJB
Surr: Dibromofluoromethane (Surr)	08	SW8260D	87.9 %		80-130		01/25/24 19:35	01/25/24 19:35	RJB
Surr: Toluene-d8 (Surr)	08	SW8260D	98.4 %		85-115		01/25/24 19:35	01/25/24 19:35	RJB



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Michael May
Client Site I.D.: Laurinburg Phase II

Analytical Summary

Preparation Method:

Sample ID	Preparation Factors Initial / Final	Method	Batch ID	Sequence ID	Calibration ID
Metals (Total) by EPA 6000/7000 Series Methods		Preparation Method: EPA200.7/R4.4			
24A1441-02	50.0 mL / 50.0 mL	SW6010D	BHA0936	SHB0239	AB40150
24A1441-03	50.0 mL / 50.0 mL	SW6010D	BHA0936	SHB0239	AB40150
24A1441-04	50.0 mL / 50.0 mL	SW6010D	BHA0936	SHB0239	AB40150
24A1441-05	50.0 mL / 50.0 mL	SW6010D	BHA0936	SHB0239	AB40150

Sample ID	Preparation Factors Initial / Final	Method	Batch ID	Sequence ID	Calibration ID
Metals (Total) by EPA 6000/7000 Series Methods		Preparation Method: EPA245.1R3.0/SW7470A			
24A1441-02	20.0 mL / 20.0 mL	SW7470A	BHA0968	SHA0881	AA40312
24A1441-03	20.0 mL / 20.0 mL	SW7470A	BHA0968	SHA0881	AA40312
24A1441-04	20.0 mL / 20.0 mL	SW7470A	BHA0968	SHA0881	AA40312
24A1441-05	10.0 mL / 20.0 mL	SW7470A	BHA0968	SHA0881	AA40312

Metals (Total) by EPA 6000/7000 Series Methods		Preparation Method: EPA245.1R3.0/SW7470A			
24A1441-06	0.508 g / 20.0 mL	SW7471B	BHB0002	SHB0012	AB40125
24A1441-07	0.512 g / 20.0 mL	SW7471B	BHB0002	SHB0012	AB40125
24A1441-08	0.544 g / 20.0 mL	SW7471B	BHB0002	SHB0012	AB40125

Sample ID	Preparation Factors Initial / Final	Method	Batch ID	Sequence ID	Calibration ID
Metals (Total) by EPA 6000/7000 Series Methods		Preparation Method: SW3050B-ICP			
24A1441-06	1.02 g / 50.0 mL	SW6010D	BHA0972	SHB0027	AB40122
24A1441-07	1.01 g / 50.0 mL	SW6010D	BHA0972	SHB0027	AB40122
24A1441-08	1.03 g / 50.0 mL	SW6010D	BHA0972	SHB0027	AB40122

Sample ID	Preparation Factors Initial / Final	Method	Batch ID	Sequence ID	Calibration ID
Volatile Organic Compounds by GCMS		Preparation Method: SW5030B-MS			
24A1441-06	5.03 g / 5.00 mL	SW8260D	BHA0871	SHA0791	AA40197
24A1441-07	1.10 g / 5.00 mL	SW8260D	BHA0871	SHA0791	AA40197
24A1441-08	5.15 g / 5.00 mL	SW8260D	BHA0871	SHA0791	AA40197



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Client Name:	APEX Companies, LLC. -Richmond 203 Wylderose Court Midlothian VA, 23113	Date Issued:	February 07, 2024 16:56
Submitted To:	Michael May	Project Number:	23012618
Client Site I.D.:	Laurinburg Phase II	Purchase Order:	

Sample ID	Preparation Factors Initial / Final	Method	Batch ID	Sequence ID	Calibration ID
Volatile Organic Compounds by GCMS		Preparation Method:	SW5030B-MS		
24A1441-07RE1	5.01 g / 5.00 mL	SW8260D	BHA0922	SHA0837	AA40197
Volatile Organic Compounds by GCMS		Preparation Method:	SW5030B-MS		
24A1441-01	5.00 mL / 5.00 mL	SW8260D	BHA0924	SHA0844	AA40257
24A1441-02	5.00 mL / 5.00 mL	SW8260D	BHA0924	SHA0844	AA40257
24A1441-03	5.00 mL / 5.00 mL	SW8260D	BHA0924	SHA0844	AA40257
24A1441-04	5.00 mL / 5.00 mL	SW8260D	BHA0924	SHA0844	AA40257
24A1441-05	5.00 mL / 5.00 mL	SW8260D	BHA0924	SHA0844	AA40257



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Final Report

Client Name: APEX Companies, LLC. -Richmond
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Date Issued: February 07, 2024 16:56
Project Number: 23012618
Purchase Order:

Submitted To: Midlothian VA, 23113
Michael May
Client Site I.D.: Laurinburg Phase II

QC Analytical Summary

Sample ID	Preparation Factors Initial / Final	Method	Batch ID	Sequence ID	Calibration ID
Metals (Total) by EPA 6000/7000 Series Methods			Preparation Method:	EPA200.7/R4.4	
BHA0936-BLK1	50.0 mL / 50.0 mL	SW6010D	BHA0936	SHA0899	AA40310
BHA0936-BS1	50.0 mL / 50.0 mL	SW6010D	BHA0936	SHA0899	AA40310
BHA0936-MS1	50.0 mL / 50.0 mL	SW6010D	BHA0936	SHA0899	AA40310
BHA0936-MS2	50.0 mL / 50.0 mL	SW6010D	BHA0936	SHA0899	AA40310
BHA0936-MS3		SW6010D	BHA0936	SHA0899	AA40310
BHA0936-MSD1	50.0 mL / 50.0 mL	SW6010D	BHA0936	SHA0899	AA40310
BHA0936-MSD2	50.0 mL / 50.0 mL	SW6010D	BHA0936	SHA0899	AA40310
BHA0936-MSD3		SW6010D	BHA0936	SHA0899	AA40310

Sample ID	Preparation Factors Initial / Final	Method	Batch ID	Sequence ID	Calibration ID
Metals (Total) by EPA 6000/7000 Series Methods			Preparation Method:	EPA245.1R3.0/SW7470A	
BHA0968-BLK1	20.0 mL / 20.0 mL	SW7470A	BHA0968	SHA0881	AA40312
BHA0968-BS1	20.0 mL / 20.0 mL	SW7470A	BHA0968	SHA0881	AA40312
BHA0968-MS1	20.0 mL / 20.0 mL	SW7470A	BHA0968	SHA0881	AA40312
BHA0968-MSD1	20.0 mL / 20.0 mL	SW7470A	BHA0968	SHA0881	AA40312
BHB0002-BLK1	0.522 g / 20.0 mL	SW7471B	BHB0002	SHB0012	AB40125
BHB0002-BS1	0.527 g / 20.0 mL	SW7471B	BHB0002	SHB0012	AB40125
BHB0002-MS1	0.524 g / 20.0 mL	SW7471B	BHB0002	SHB0012	AB40125
BHB0002-MSD1	0.522 g / 20.0 mL	SW7471B	BHB0002	SHB0012	AB40125

Sample ID	Preparation Factors Initial / Final	Method	Batch ID	Sequence ID	Calibration ID
Metals (Total) by EPA 6000/7000 Series Methods			Preparation Method:	SW3050B-ICP	
BHA0972-BLK1	1.04 g / 50.0 mL	SW6010D	BHA0972	SHB0027	AB40122
BHA0972-BS1	1.03 g / 50.0 mL	SW6010D	BHA0972	SHB0027	AB40122
BHA0972-MS1	1.06 g / 50.0 mL	SW6010D	BHA0972	SHB0027	AB40122
BHA0972-MSD1	1.06 g / 50.0 mL	SW6010D	BHA0972	SHB0027	AB40122

Sample ID	Preparation Factors Initial / Final	Method	Batch ID	Sequence ID	Calibration ID
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Certificate of Analysis

Final Report

Client Name: APEX Companies, LLC. -Richmond
203 Wylderose Court
Midlothian VA, 23113
Submitted To: Michael May
Client Site I.D.: Laurinburg Phase II

Date Issued: February 07, 2024 16:56
Project Number: 23012618
Purchase Order:

Sample ID	Preparation Factors Initial / Final	Method	Batch ID	Sequence ID	Calibration ID
Volatile Organic Compounds by GCMS			Preparation Method:	SW5030B-MS	
BHA0871-BLK1	5.00 g / 5.00 mL	SW8260D	BHA0871	SHA0791	AA40197
BHA0871-BS1	5.00 g / 5.00 mL	SW8260D	BHA0871	SHA0791	AA40197
BHA0871-MS1	1.04 g / 5.00 mL	SW8260D	BHA0871	SHA0791	AA40197
BHA0871-MSD1	1.05 g / 5.00 mL	SW8260D	BHA0871	SHA0791	AA40197
BHA0922-BLK1	5.00 g / 5.00 mL	SW8260D	BHA0922	SHA0837	AA40197
BHA0922-BS1	5.00 g / 5.00 mL	SW8260D	BHA0922	SHA0837	AA40197
BHA0922-MS1	5.01 g / 5.00 mL	SW8260D	BHA0922	SHA0837	AA40197
BHA0922-MSD1	5.17 g / 5.00 mL	SW8260D	BHA0922	SHA0837	AA40197
BHA0924-BLK1	5.00 mL / 5.00 mL	SW8260D	BHA0924	SHA0844	AA40257
BHA0924-BLK2	5.00 mL / 5.00 mL	SW8260D	BHA0924	SHA0844	AA40257
BHA0924-BS1	5.00 mL / 5.00 mL	SW8260D	BHA0924	SHA0844	AA40257
BHA0924-BS2	5.00 mL / 5.00 mL	SW8260D	BHA0924	SHA0844	AA40257
BHA0924-MS1	0.250 mL / 5.00 mL	SW8260D	BHA0924	SHA0844	AA40257
BHA0924-MSD1	0.250 mL / 5.00 mL	SW8260D	BHA0924	SHA0844	AA40257



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203 Wylderose Court

Date Issued: February 07, 2024 16:56
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Purchase Order:

Submitted To: Midlothian VA, 23113
Michael May
Client Site I.D.: Laurinburg Phase II

Metals (Total) by EPA 6000/7000 Series Methods - Quality Control

Enthalpy Analytical

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
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Batch BHA0936 - EPA200.7/R4.4

Blank (BHA0936-BLK1)

Prepared: 01/26/2024 Analyzed: 01/29/2024

Arsenic	<0.0200 mg/L	0.0200	mg/L
Barium	<0.0100 mg/L	0.0100	mg/L
Cadmium	<0.0040 mg/L	0.0040	mg/L
Chromium	<0.0100 mg/L	0.0100	mg/L
Lead	<0.0100 mg/L	0.0100	mg/L
Selenium	<0.0500 mg/L	0.0500	mg/L
Silver	<0.0100 mg/L	0.0100	mg/L

LCS (BHA0936-BS1)

Prepared: 01/26/2024 Analyzed: 01/29/2024

Arsenic	0.512 mg/L	0.0200	mg/L	0.500	mg/L	102	80-120	
Barium	0.519 mg/L	0.0100	mg/L	0.500	mg/L	104	80-120	
Cadmium	0.521 mg/L	0.0040	mg/L	0.500	mg/L	104	80-120	
Chromium	0.524 mg/L	0.0100	mg/L	0.500	mg/L	105	80-120	
Lead	0.521 mg/L	0.0100	mg/L	0.500	mg/L	104	80-120	
Selenium	0.529 mg/L	0.0500	mg/L	0.500	mg/L	106	80-120	
Silver	0.101 mg/L	0.0100	mg/L	0.100	mg/L	101	80-120	E

Matrix Spike (BHA0936-MS1)

Source: 24A1515-01

Prepared: 01/26/2024 Analyzed: 01/29/2024

Arsenic	0.517 mg/L	0.0200	mg/L	0.500	<0.0200 mg/L	103	75-125
Barium	0.559 mg/L	0.0100	mg/L	0.500	0.0643 mg/L	98.9	75-125
Cadmium	0.509 mg/L	0.0040	mg/L	0.500	<0.0040 mg/L	102	75-125
Chromium	0.513 mg/L	0.0100	mg/L	0.500	<0.0100 mg/L	103	75-125
Lead	0.505 mg/L	0.0100	mg/L	0.500	<0.0100 mg/L	101	75-125
Selenium	0.536 mg/L	0.0500	mg/L	0.500	<0.0500 mg/L	107	75-125
Silver	0.0974 mg/L	0.0100	mg/L	0.100	<0.0100 mg/L	97.4	75-125

Matrix Spike (BHA0936-MS2)

Source: 24A1548-01

Prepared: 01/26/2024 Analyzed: 01/29/2024

Arsenic	0.454 mg/L	0.0200	mg/L	0.500	<0.0200 mg/L	90.7	75-125	
Barium	0.531 mg/L	0.0100	mg/L	0.500	0.0196 mg/L	102	75-125	
Cadmium	0.372 mg/L	0.0040	mg/L	0.500	<0.0040 mg/L	74.4	75-125	M
Chromium	0.407 mg/L	0.0100	mg/L	0.500	<0.0100 mg/L	81.5	75-125	
Lead	0.368 mg/L	0.0100	mg/L	0.500	<0.0100 mg/L	73.6	75-125	M
Selenium	0.431 mg/L	0.0500	mg/L	0.500	<0.0500 mg/L	86.2	75-125	



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Metals (Total) by EPA 6000/7000 Series Methods - Quality Control

Enthalpy Analytical

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
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Batch BHA0936 - EPA200.7/R4.4

Matrix Spike (BHA0936-MS2) Source: 24A1548-01 Prepared: 01/26/2024 Analyzed: 01/29/2024

Silver	0.0976 mg/L	0.0100	mg/L	0.100	<0.0100 mg/L	97.6	75-125			
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Matrix Spike Dup (BHA0936-MSD1) Source: 24A1515-01 Prepared: 01/26/2024 Analyzed: 01/29/2024

Arsenic	0.525 mg/L	0.0200	mg/L	0.500	<0.0200 mg/L	105	75-125	1.54	20	
Barium	0.583 mg/L	0.0100	mg/L	0.500	0.0643 mg/L	104	75-125	4.31	20	
Cadmium	0.516 mg/L	0.0040	mg/L	0.500	<0.0040 mg/L	103	75-125	1.41	20	
Chromium	0.521 mg/L	0.0100	mg/L	0.500	<0.0100 mg/L	104	75-125	1.66	20	
Lead	0.512 mg/L	0.0100	mg/L	0.500	<0.0100 mg/L	102	75-125	1.36	20	
Selenium	0.542 mg/L	0.0500	mg/L	0.500	<0.0500 mg/L	108	75-125	1.13	20	
Silver	0.0989 mg/L	0.0100	mg/L	0.100	<0.0100 mg/L	98.9	75-125	1.53	20	

Matrix Spike Dup (BHA0936-MSD2) Source: 24A1548-01 Prepared: 01/26/2024 Analyzed: 01/29/2024

Arsenic	0.453 mg/L	0.0200	mg/L	0.500	<0.0200 mg/L	90.6	75-125	0.110	20	
Barium	0.541 mg/L	0.0100	mg/L	0.500	0.0196 mg/L	104	75-125	1.81	20	
Cadmium	0.372 mg/L	0.0040	mg/L	0.500	<0.0040 mg/L	74.3	75-125	0.135	20	M
Chromium	0.407 mg/L	0.0100	mg/L	0.500	<0.0100 mg/L	81.4	75-125	0.0982	20	
Lead	0.366 mg/L	0.0100	mg/L	0.500	<0.0100 mg/L	73.3	75-125	0.408	20	M
Selenium	0.436 mg/L	0.0500	mg/L	0.500	<0.0500 mg/L	87.1	75-125	0.992	20	
Silver	0.0972 mg/L	0.0100	mg/L	0.100	<0.0100 mg/L	97.2	75-125	0.411	20	

Batch BHA0968 - EPA245.1R3.0/SW7470A

Blank (BHA0968-BLK1) Prepared & Analyzed: 01/29/2024

Mercury	<0.00020 mg/L	0.00020	mg/L							
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LCS (BHA0968-BS1) Prepared & Analyzed: 01/29/2024

Mercury	0.00251 mg/L	0.00020	mg/L	0.00250 mg/L	100	80-120				
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Date Issued: February 07, 2024 16:56
Project Number: 23012618
Purchase Order:

Metals (Total) by EPA 6000/7000 Series Methods - Quality Control

Enthalpy Analytical

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
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Batch BHA0968 - EPA245.1R3.0/SW7470A

Matrix Spike (BHA0968-MS1)		Source: 24A1548-01		Prepared & Analyzed: 01/29/2024						
Mercury	0.00241 mg/L	0.00020	mg/L	0.00250	<0.00020 mg/L	96.4	80-120			
Matrix Spike Dup (BHA0968-MSD1)		Source: 24A1548-01		Prepared & Analyzed: 01/29/2024						
Mercury	0.00247 mg/L	0.00020	mg/L	0.00250	<0.00020 mg/L	98.8	80-120	2.46	20	

Batch BHA0972 - SW3050B-ICP

Blank (BHA0972-BLK1)		Prepared: 01/29/2024 Analyzed: 02/01/2024								
Lead	<0.500 mg/kg	0.500	mg/kg							
Barium	<0.500 mg/kg	0.500	mg/kg							
Cadmium	<0.200 mg/kg	0.200	mg/kg							
Chromium	<0.500 mg/kg	0.500	mg/kg							
Arsenic	<1.00 mg/kg	1.00	mg/kg							
Selenium	<2.50 mg/kg	2.50	mg/kg							
Silver	<0.500 mg/kg	0.500	mg/kg							

LCS (BHA0972-BS1)		Prepared: 01/29/2024 Analyzed: 02/01/2024								
Silver	5.00 mg/kg	0.500	mg/kg	4.86	mg/kg	103	80-120			
Arsenic	99.1 mg/kg	1.00	mg/kg	97.3	mg/kg	102	80-120			
Cadmium	101 mg/kg	0.200	mg/kg	97.3	mg/kg	104	80-120			
Chromium	104 mg/kg	0.500	mg/kg	97.3	mg/kg	107	80-120			
Lead	104 mg/kg	0.500	mg/kg	97.3	mg/kg	107	80-120			
Selenium	90.5 mg/kg	2.50	mg/kg	97.3	mg/kg	93.0	80-120			
Barium	102 mg/kg	0.500	mg/kg	97.3	mg/kg	105	80-120			

Matrix Spike (BHA0972-MS1)		Source: 24A1441-08		Prepared: 01/29/2024 Analyzed: 02/01/2024						
Chromium	87.4 mg/kg	0.940	mg/kg	94.0	8.17 mg/kg	84.3	75-125			
Cadmium	79.7 mg/kg	0.376	mg/kg	94.0	<0.376 mg/kg	84.8	75-125			
Barium	94.2 mg/kg	0.940	mg/kg	94.0	12.6 mg/kg	86.9	75-125			
Arsenic	74.0 mg/kg	1.88	mg/kg	94.0	<1.88 mg/kg	78.8	75-125			
Selenium	73.3 mg/kg	4.70	mg/kg	94.0	<4.70 mg/kg	78.0	75-125			
Silver	3.92 mg/kg	0.940	mg/kg	4.70	<0.940 mg/kg	83.4	75-125			
Lead	85.3 mg/kg	0.940	mg/kg	94.0	4.31 mg/kg	86.1	75-125			



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Certificate of Analysis

Final Report

Client Name: APEX Companies, LLC. -Richmond
203 Wylderose Court
Midlothian VA, 23113
Submitted To: Michael May
Client Site I.D.: Laurinburg Phase II

Date Issued: February 07, 2024 16:56
Project Number: 23012618
Purchase Order:

Metals (Total) by EPA 6000/7000 Series Methods - Quality Control

Enthalpy Analytical

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
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Batch BHA0972 - SW3050B-ICP

Matrix Spike Dup (BHA0972-MSD1)		Source: 24A1441-08			Prepared: 01/29/2024 Analyzed: 02/01/2024					
Silver	3.71 mg/kg	0.945	mg/kg	4.73	<0.945 mg/kg	78.6	75-125	5.36	20	
Barium	93.2 mg/kg	0.945	mg/kg	94.5	12.6 mg/kg	85.3	75-125	1.13	20	
Selenium	70.7 mg/kg	4.73	mg/kg	94.5	<4.73 mg/kg	74.8	75-125	3.64	20	M2
Lead	83.2 mg/kg	0.945	mg/kg	94.5	4.31 mg/kg	83.4	75-125	2.49	20	
Cadmium	76.7 mg/kg	0.378	mg/kg	94.5	<0.378 mg/kg	81.1	75-125	3.85	20	
Arsenic	71.7 mg/kg	1.89	mg/kg	94.5	<1.89 mg/kg	75.9	75-125	3.15	20	
Chromium	86.2 mg/kg	0.945	mg/kg	94.5	8.17 mg/kg	82.6	75-125	1.36	20	

Batch BHB0002 - EPA245.1R3.0/SW7470A

Blank (BHB0002-BLK1)		Prepared & Analyzed: 02/01/2024								
Mercury	<0.008 mg/kg	0.008	mg/kg							
LCS (BHB0002-BS1)		Prepared & Analyzed: 02/01/2024								
Mercury	0.081 mg/kg	0.008	mg/kg	0.0949	mg/kg	85.5	80-120			
Matrix Spike (BHB0002-MS1)		Source: 24A1353-03			Prepared & Analyzed: 02/01/2024					
Mercury	0.139 mg/kg	0.008	mg/kg	0.0954	0.032 mg/kg	112	80-120			
Matrix Spike Dup (BHB0002-MSD1)		Source: 24A1353-03			Prepared & Analyzed: 02/01/2024					
Mercury	0.138 mg/kg	0.008	mg/kg	0.0958	0.032 mg/kg	111	80-120	0.811	20	



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Volatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Qual
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Batch BHA0871 - SW5030B-MS

Blank (BHA0871-BLK1)

Prepared & Analyzed: 01/25/2024

1,1,1,2-Tetrachloroethane	<5.00 ug/kg	5.00	ug/kg
1,1,1-Trichloroethane	<5.00 ug/kg	5.00	ug/kg
1,1,2,2-Tetrachloroethane	<5.00 ug/kg	5.00	ug/kg
1,1,2-Trichloroethane	<5.00 ug/kg	5.00	ug/kg
1,1-Dichloroethane	<5.00 ug/kg	5.00	ug/kg
1,1-Dichloroethylene	<5.00 ug/kg	5.00	ug/kg
1,1-Dichloropropene	<5.00 ug/kg	5.00	ug/kg
1,2,3-Trichlorobenzene	<5.00 ug/kg	5.00	ug/kg
1,2,3-Trichloropropane	<5.00 ug/kg	5.00	ug/kg
1,2,4-Trichlorobenzene	<5.00 ug/kg	5.00	ug/kg
1,2,4-Trimethylbenzene	<5.00 ug/kg	5.00	ug/kg
1,2-Dibromo-3-chloropropane (DBCP)	<5.00 ug/kg	5.00	ug/kg
1,2-Dibromoethane (EDB)	<5.00 ug/kg	5.00	ug/kg
1,2-Dichlorobenzene	<5.00 ug/kg	5.00	ug/kg
1,2-Dichloroethane	<5.00 ug/kg	5.00	ug/kg
1,2-Dichloropropane	<5.00 ug/kg	5.00	ug/kg
1,3,5-Trimethylbenzene	<5.00 ug/kg	5.00	ug/kg
1,3-Dichlorobenzene	<5.00 ug/kg	5.00	ug/kg
1,3-Dichloropropane	<5.00 ug/kg	5.00	ug/kg
1,4-Dichlorobenzene	<5.00 ug/kg	5.00	ug/kg
1,4-Dioxane	<80.0 ug/kg	80.0	ug/kg
2,2-Dichloropropane	<5.00 ug/kg	5.00	ug/kg
2-Butanone (MEK)	<5.00 ug/kg	5.00	ug/kg
2-Chlorotoluene	<5.00 ug/kg	5.00	ug/kg
2-Hexanone (MBK)	<5.00 ug/kg	5.00	ug/kg
4-Chlorotoluene	<5.00 ug/kg	5.00	ug/kg
4-Isopropyltoluene	<5.00 ug/kg	5.00	ug/kg
4-Methyl-2-pentanone (MIBK)	<5.00 ug/kg	5.00	ug/kg
Acetone	<10.0 ug/kg	10.0	ug/kg
Benzene	<5.00 ug/kg	5.00	ug/kg
Bromobenzene	<5.00 ug/kg	5.00	ug/kg



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Volatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Qual
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Batch BHA0871 - SW5030B-MS

Blank (BHA0871-BLK1)

Prepared & Analyzed: 01/25/2024

Bromochloromethane	<5.00 ug/kg	5.00	ug/kg
Bromodichloromethane	<5.00 ug/kg	5.00	ug/kg
Bromoform	<5.00 ug/kg	5.00	ug/kg
Bromomethane	<5.00 ug/kg	5.00	ug/kg
Carbon disulfide	<5.00 ug/kg	5.00	ug/kg
Carbon tetrachloride	<5.00 ug/kg	5.00	ug/kg
Chlorobenzene	<5.00 ug/kg	5.00	ug/kg
Chloroethane	<5.00 ug/kg	5.00	ug/kg
Chloroform	<5.00 ug/kg	5.00	ug/kg
Chloromethane	<5.00 ug/kg	5.00	ug/kg
cis-1,2-Dichloroethylene	<5.00 ug/kg	5.00	ug/kg
cis-1,3-Dichloropropene	<5.00 ug/kg	5.00	ug/kg
Dibromochloromethane	<5.00 ug/kg	5.00	ug/kg
Dibromomethane	<5.00 ug/kg	5.00	ug/kg
Dichlorodifluoromethane	<5.00 ug/kg	5.00	ug/kg
Di-isopropyl ether (DIPE)	<5.00 ug/kg	5.00	ug/kg
Ethylbenzene	<5.00 ug/kg	5.00	ug/kg
Hexachlorobutadiene	<5.00 ug/kg	5.00	ug/kg
Iodomethane	<10.0 ug/kg	10.0	ug/kg
Isopropylbenzene	<5.00 ug/kg	5.00	ug/kg
m+p-Xylenes	<5.00 ug/kg	5.00	ug/kg
Methylene chloride	<5.00 ug/kg	5.00	ug/kg
Methyl-t-butyl ether (MTBE)	<5.00 ug/kg	5.00	ug/kg
Naphthalene	<5.00 ug/kg	5.00	ug/kg
n-Butylbenzene	<5.00 ug/kg	5.00	ug/kg
n-Propylbenzene	<5.00 ug/kg	5.00	ug/kg
o-Xylene	<5.00 ug/kg	5.00	ug/kg
sec-Butylbenzene	<5.00 ug/kg	5.00	ug/kg
Styrene	<5.00 ug/kg	5.00	ug/kg
tert-Butylbenzene	<5.00 ug/kg	5.00	ug/kg
Tetrachloroethylene (PCE)	<5.00 ug/kg	5.00	ug/kg



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Submitted To: Midlothian VA, 23113
Michael May
Client Site I.D.: Laurinburg Phase II

Volatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
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Batch BHA0871 - SW5030B-MS

Blank (BHA0871-BLK1)

Prepared & Analyzed: 01/25/2024

Toluene	<5.00 ug/kg	5.00	ug/kg
trans-1,2-Dichloroethylene	<5.00 ug/kg	5.00	ug/kg
trans-1,3-Dichloropropene	<5.00 ug/kg	5.00	ug/kg
Trichloroethylene	<5.00 ug/kg	5.00	ug/kg
Trichlorofluoromethane	<5.00 ug/kg	5.00	ug/kg
Vinyl acetate	<10.0 ug/kg	10.0	ug/kg
Vinyl chloride	<5.00 ug/kg	5.00	ug/kg
Xylenes, Total	<15.0 ug/kg	15.0	ug/kg

Surr: 1,2-Dichloroethane-d4 (Surr)	43.7	ug/L	50.0	87.4	80-120
Surr: 4-Bromofluorobenzene (Surr)	50.8	ug/L	50.0	102	85-120
Surr: Dibromofluoromethane (Surr)	44.2	ug/L	50.0	88.5	80-130
Surr: Toluene-d8 (Surr)	49.6	ug/L	50.0	99.1	85-115

LCS (BHA0871-BS1)

Prepared & Analyzed: 01/25/2024

1,1,1,2-Tetrachloroethane	53.7 ug/L	5	ug/L	50.0	ug/L	107	85-132
1,1,1-Trichloroethane	52.1 ug/L	5	ug/L	50.0	ug/L	104	70-135
1,1,2,2-Tetrachloroethane	50.0 ug/L	5	ug/L	50.0	ug/L	100	55-130
1,1,2-Trichloroethane	52.7 ug/L	5	ug/L	50.0	ug/L	105	60-125
1,1-Dichloroethane	48.0 ug/L	5	ug/L	50.0	ug/L	96.1	70-136
1,1-Dichloroethylene	47.4 ug/L	5	ug/L	50.0	ug/L	94.7	65-135
1,1-Dichloropropene	50.3 ug/L	5	ug/L	50.0	ug/L	101	70-135
1,2,3-Trichlorobenzene	54.7 ug/L	5	ug/L	50.0	ug/L	109	60-135
1,2,3-Trichloropropane	50.9 ug/L	5	ug/L	50.0	ug/L	102	65-130
1,2,4-Trichlorobenzene	53.8 ug/L	5	ug/L	50.0	ug/L	108	65-130
1,2,4-Trimethylbenzene	57.1 ug/L	5	ug/L	50.0	ug/L	114	65-135
1,2-Dibromo-3-chloropropane (DBCP)	49.4 ug/L	5	ug/L	50.0	ug/L	98.8	40-135
1,2-Dibromoethane (EDB)	52.7 ug/L	5	ug/L	50.0	ug/L	105	70-125
1,2-Dichlorobenzene	53.8 ug/L	5	ug/L	50.0	ug/L	108	75-120
1,2-Dichloroethane	47.9 ug/L	5	ug/L	50.0	ug/L	95.8	70-135
1,2-Dichloropropane	54.1 ug/L	5	ug/L	50.0	ug/L	108	70-120
1,3,5-Trimethylbenzene	55.7 ug/L	5	ug/L	50.0	ug/L	111	65-135
1,3-Dichlorobenzene	53.7 ug/L	5	ug/L	50.0	ug/L	107	70-125



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Volatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
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Batch BHA0871 - SW5030B-MS

LCS (BHA0871-BS1)

Prepared & Analyzed: 01/25/2024

1,3-Dichloropropane	52.8 ug/L	5	ug/L	50.0	ug/L	106	75-125			
1,4-Dichlorobenzene	52.0 ug/L	5	ug/L	50.0	ug/L	104	70-125			
2,2-Dichloropropane	49.1 ug/L	5	ug/L	50.0	ug/L	98.1	65-135			
2-Butanone (MEK)	36.2 ug/L	5	ug/L	50.0	ug/L	72.4	30-160			
2-Chlorotoluene	53.4 ug/L	5	ug/L	50.0	ug/L	107	70-130			
2-Hexanone (MBK)	46.9 ug/L	5	ug/L	50.0	ug/L	93.8	45-145			
4-Chlorotoluene	52.0 ug/L	5	ug/L	50.0	ug/L	104	75-125			
4-Isopropyltoluene	57.8 ug/L	5	ug/L	50.0	ug/L	116	75-135			
4-Methyl-2-pentanone (MIBK)	47.6 ug/L	5	ug/L	50.0	ug/L	95.2	45-145			
Acetone	39.6 ug/L	10	ug/L	50.0	ug/L	79.2	20-160			
Benzene	52.8 ug/L	5	ug/L	50.0	ug/L	106	75-125			
Bromobenzene	53.0 ug/L	5	ug/L	50.0	ug/L	106	65-120			
Bromochloromethane	46.4 ug/L	5	ug/L	50.0	ug/L	92.9	70-125			
Bromodichloromethane	55.9 ug/L	5	ug/L	50.0	ug/L	112	70-130			
Bromoform	51.7 ug/L	5	ug/L	50.0	ug/L	103	55-135			
Bromomethane	48.9 ug/L	5	ug/L	50.0	ug/L	97.7	30-160			
Carbon disulfide	46.0 ug/L	5	ug/L	50.0	ug/L	92.1	45-160			
Carbon tetrachloride	51.1 ug/L	5	ug/L	50.0	ug/L	102	65-135			
Chlorobenzene	53.4 ug/L	5	ug/L	50.0	ug/L	107	75-125			
Chloroethane	52.4 ug/L	5	ug/L	50.0	ug/L	105	40-155			
Chloroform	48.4 ug/L	5	ug/L	50.0	ug/L	96.8	70-125			
Chloromethane	62.8 ug/L	5	ug/L	50.0	ug/L	126	50-130			
cis-1,2-Dichloroethylene	47.6 ug/L	5	ug/L	50.0	ug/L	95.1	65-125			
cis-1,3-Dichloropropene	52.0 ug/L	5	ug/L	50.0	ug/L	104	70-125			
Dibromochloromethane	51.6 ug/L	5	ug/L	50.0	ug/L	103	65-130			
Dibromomethane	55.3 ug/L	5	ug/L	50.0	ug/L	111	75-130			
Dichlorodifluoromethane	102 ug/L	5	ug/L	50.0	ug/L	204	35-135			
Ethylbenzene	55.1 ug/L	5	ug/L	50.0	ug/L	110	75-125			
Hexachlorobutadiene	52.4 ug/L	5	ug/L	50.0	ug/L	105	55-140			
Isopropylbenzene	51.6 ug/L	5	ug/L	50.0	ug/L	103	75-130			
m+p-Xylenes	107 ug/L	5	ug/L	100	ug/L	107	80-125			



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Batch BHA0871 - SW5030B-MS

LCS (BHA0871-BS1)

Prepared & Analyzed: 01/25/2024

Methylene chloride	46.4 ug/L	5	ug/L	50.0	ug/L	92.7	55-140
Methyl-t-butyl ether (MTBE)	51.3 ug/L	5	ug/L	50.0	ug/L	103	65-125
Naphthalene	57.4 ug/L	5	ug/L	50.0	ug/L	115	40-125
n-Butylbenzene	59.2 ug/L	5	ug/L	50.0	ug/L	118	65-140
n-Propylbenzene	53.2 ug/L	5	ug/L	50.0	ug/L	106	65-135
o-Xylene	51.9 ug/L	5	ug/L	50.0	ug/L	104	75-125
sec-Butylbenzene	58.4 ug/L	5	ug/L	50.0	ug/L	117	65-130
Styrene	52.6 ug/L	5	ug/L	50.0	ug/L	105	75-125
tert-Butylbenzene	54.3 ug/L	5	ug/L	50.0	ug/L	109	65-130
Tetrachloroethylene (PCE)	54.7 ug/L	5	ug/L	50.0	ug/L	109	48.1-219
Toluene	52.8 ug/L	5	ug/L	50.0	ug/L	106	70-125
trans-1,2-Dichloroethylene	46.7 ug/L	5	ug/L	50.0	ug/L	93.5	65-135
trans-1,3-Dichloropropene	56.1 ug/L	5	ug/L	50.0	ug/L	112	65-125
Trichloroethylene	52.4 ug/L	5	ug/L	50.0	ug/L	105	75-125
Trichlorofluoromethane	55.6 ug/L	5	ug/L	50.0	ug/L	111	25-185
Vinyl chloride	50.3 ug/L	5	ug/L	50.0	ug/L	101	60-125
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Surr: 1,2-Dichloroethane-d4 (Surr)	44.7		ug/L	50.0	ug/L	89.4	80-120
Surr: 4-Bromofluorobenzene (Surr)	50.0		ug/L	50.0	ug/L	100	85-120
Surr: Dibromofluoromethane (Surr)	44.5		ug/L	50.0	ug/L	88.9	80-130
Surr: Toluene-d8 (Surr)	49.0		ug/L	50.0	ug/L	98.0	85-115

Matrix Spike (BHA0871-MS1)

Source: 24A1359-04

Prepared & Analyzed: 01/25/2024

1,1,1,2-Tetrachloroethane	55.3 ug/L	5	ug/L	50.0	<5 ug/kg	111	52-140
1,1,1-Trichloroethane	53.4 ug/L	5	ug/L	50.0	<5 ug/kg	107	70-135
1,1,2,2-Tetrachloroethane	51.9 ug/L	5	ug/L	50.0	<5 ug/kg	104	55-130
1,1,2-Trichloroethane	54.4 ug/L	5	ug/L	50.0	<5 ug/kg	109	60-125
1,1-Dichloroethane	50.4 ug/L	5	ug/L	50.0	<5 ug/kg	101	60-134
1,1-Dichloroethylene	49.8 ug/L	5	ug/L	50.0	<5 ug/kg	99.6	65-135
1,1-Dichloropropene	51.9 ug/L	5	ug/L	50.0	<5 ug/kg	104	70-135
1,2,3-Trichlorobenzene	56.8 ug/L	5	ug/L	50.0	<5 ug/kg	114	60-135
1,2,3-Trichloropropane	52.2 ug/L	5	ug/L	50.0	<5 ug/kg	104	65-130
1,2,4-Trichlorobenzene	56.1 ug/L	5	ug/L	50.0	<5 ug/kg	112	65-130



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Batch BHA0871 - SW5030B-MS

Matrix Spike (BHA0871-MS1)

Source: 24A1359-04

Prepared & Analyzed: 01/25/2024

1,2,4-Trimethylbenzene	61.1 ug/L	5	ug/L	50.0	<5 ug/kg	122	65-135			
1,2-Dibromo-3-chloropropane (DBCP)	50.1 ug/L	5	ug/L	50.0	<5 ug/kg	100	40-135			
1,2-Dibromoethane (EDB)	55.0 ug/L	5	ug/L	50.0	<5 ug/kg	110	70-125			
1,2-Dichlorobenzene	57.0 ug/L	5	ug/L	50.0	<5 ug/kg	114	75-120			
1,2-Dichloroethane	50.7 ug/L	5	ug/L	50.0	<5 ug/kg	101	70-135			
1,2-Dichloropropane	55.8 ug/L	5	ug/L	50.0	<5 ug/kg	112	70-120			
1,3,5-Trimethylbenzene	58.5 ug/L	5	ug/L	50.0	<5 ug/kg	117	65-135			
1,3-Dichlorobenzene	56.5 ug/L	5	ug/L	50.0	<5 ug/kg	113	70-125			
1,3-Dichloropropane	54.7 ug/L	5	ug/L	50.0	<5 ug/kg	109	75-125			
1,4-Dichlorobenzene	54.6 ug/L	5	ug/L	50.0	<5 ug/kg	109	70-125			
2,2-Dichloropropane	51.3 ug/L	5	ug/L	50.0	<5 ug/kg	103	65-135			
2-Butanone (MEK)	30.6 ug/L	5	ug/L	50.0	<5 ug/kg	61.3	30-160			
2-Chlorotoluene	56.8 ug/L	5	ug/L	50.0	<5 ug/kg	114	70-130			
2-Hexanone (MBK)	43.7 ug/L	5	ug/L	50.0	<5 ug/kg	87.5	45-145			
4-Chlorotoluene	54.8 ug/L	5	ug/L	50.0	<5 ug/kg	110	75-125			
4-Isopropyltoluene	60.8 ug/L	5	ug/L	50.0	<5 ug/kg	122	75-135			
4-Methyl-2-pentanone (MIBK)	44.6 ug/L	5	ug/L	50.0	<5 ug/kg	89.2	45-145			
Acetone	33.2 ug/L	10	ug/L	50.0	<10 ug/kg	66.3	20-160			
Benzene	55.4 ug/L	5	ug/L	50.0	<5 ug/kg	111	75-125			
Bromobenzene	55.8 ug/L	5	ug/L	50.0	<5 ug/kg	112	65-120			
Bromochloromethane	47.2 ug/L	5	ug/L	50.0	<5 ug/kg	94.5	70-125			
Bromodichloromethane	57.2 ug/L	5	ug/L	50.0	<5 ug/kg	114	70-130			
Bromoform	53.3 ug/L	5	ug/L	50.0	<5 ug/kg	107	55-135			
Bromomethane	50.4 ug/L	5	ug/L	50.0	<5 ug/kg	101	30-160			
Carbon disulfide	44.0 ug/L	5	ug/L	50.0	<5 ug/kg	88.1	45-160			
Carbon tetrachloride	54.0 ug/L	5	ug/L	50.0	<5 ug/kg	108	65-135			
Chlorobenzene	56.1 ug/L	5	ug/L	50.0	<5 ug/kg	112	75-125			
Chloroethane	53.4 ug/L	5	ug/L	50.0	<5 ug/kg	107	40-155			
Chloroform	50.2 ug/L	5	ug/L	50.0	<5 ug/kg	100	70-125			
Chloromethane	63.4 ug/L	5	ug/L	50.0	<5 ug/kg	127	50-130			
cis-1,2-Dichloroethylene	50.0 ug/L	5	ug/L	50.0	<5 ug/kg	100	65-125			



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Certificate of Analysis

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Purchase Order:

Volatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
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Batch BHA0871 - SW5030B-MS

Matrix Spike (BHA0871-MS1)

Source: 24A1359-04

Prepared & Analyzed: 01/25/2024

cis-1,3-Dichloropropene	54.0 ug/L	5	ug/L	50.0	<5 ug/kg	108	70-125			
Dibromochloromethane	52.8 ug/L	5	ug/L	50.0	<5 ug/kg	106	65-130			
Dibromomethane	56.8 ug/L	5	ug/L	50.0	<5 ug/kg	114	75-130			
Dichlorodifluoromethane	106 ug/L	5	ug/L	50.0	<5 ug/kg	212	35-135			M
Ethylbenzene	57.9 ug/L	5	ug/L	50.0	<5 ug/kg	116	75-125			
Hexachlorobutadiene	55.2 ug/L	5	ug/L	50.0	<5 ug/kg	110	55-140			
Isopropylbenzene	53.3 ug/L	5	ug/L	50.0	<5 ug/kg	107	75-130			
m+p-Xylenes	111 ug/L	5	ug/L	100	<5 ug/kg	111	80-125			
Methylene chloride	47.5 ug/L	5	ug/L	50.0	<5 ug/kg	91.0	55-140			
Methyl-t-butyl ether (MTBE)	53.8 ug/L	5	ug/L	50.0	<5 ug/kg	108	65-125			
Naphthalene	58.8 ug/L	5	ug/L	50.0	<5 ug/kg	118	40-125			
n-Butylbenzene	61.5 ug/L	5	ug/L	50.0	<5 ug/kg	123	65-140			
n-Propylbenzene	55.4 ug/L	5	ug/L	50.0	<5 ug/kg	111	65-135			
o-Xylene	54.7 ug/L	5	ug/L	50.0	<5 ug/kg	109	75-125			
sec-Butylbenzene	61.5 ug/L	5	ug/L	50.0	<5 ug/kg	123	65-130			
Styrene	54.4 ug/L	5	ug/L	50.0	<5 ug/kg	109	75-125			
tert-Butylbenzene	57.2 ug/L	5	ug/L	50.0	<5 ug/kg	114	65-130			
Tetrachloroethylene (PCE)	53.6 ug/L	5	ug/L	50.0	<5 ug/kg	107	48.1-219			
Toluene	55.0 ug/L	5	ug/L	50.0	<5 ug/kg	110	70-125			
trans-1,2-Dichloroethylene	47.8 ug/L	5	ug/L	50.0	<5 ug/kg	95.5	65-135			
trans-1,3-Dichloropropene	57.4 ug/L	5	ug/L	50.0	<5 ug/kg	115	65-125			
Trichloroethylene	53.2 ug/L	5	ug/L	50.0	<5 ug/kg	106	75-125			
Trichlorofluoromethane	59.4 ug/L	5	ug/L	50.0	<5 ug/kg	119	25-185			
Vinyl chloride	53.8 ug/L	5	ug/L	50.0	<5 ug/kg	108	60-125			
Surr: 1,2-Dichloroethane-d4 (Surr)	43.7		ug/L	50.0	ug/L	87.5	80-120			
Surr: 4-Bromofluorobenzene (Surr)	50.7		ug/L	50.0	ug/L	101	85-120			
Surr: Dibromofluoromethane (Surr)	44.4		ug/L	50.0	ug/L	88.8	80-130			
Surr: Toluene-d8 (Surr)	49.3		ug/L	50.0	ug/L	98.7	85-115			



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Enthalpy Analytical

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Batch BHA0871 - SW5030B-MS

Matrix Spike Dup (BHA0871-MSD1)

Source: 24A1359-04

Prepared & Analyzed: 01/25/2024

1,1,1,2-Tetrachloroethane	57.1 ug/L	5	ug/L	50.0	<5 ug/kg	114	52-140	3.24	30	
1,1,1-Trichloroethane	55.6 ug/L	5	ug/L	50.0	<5 ug/kg	111	70-135	4.09	30	
1,1,2,2-Tetrachloroethane	54.0 ug/L	5	ug/L	50.0	<5 ug/kg	108	55-130	3.97	30	
1,1,2-Trichloroethane	55.4 ug/L	5	ug/L	50.0	<5 ug/kg	111	60-125	1.78	30	
1,1-Dichloroethane	52.3 ug/L	5	ug/L	50.0	<5 ug/kg	105	60-134	3.70	30	
1,1-Dichloroethylene	50.1 ug/L	5	ug/L	50.0	<5 ug/kg	100	65-135	0.680	30	
1,1-Dichloropropene	53.9 ug/L	5	ug/L	50.0	<5 ug/kg	108	70-135	3.80	30	
1,2,3-Trichlorobenzene	58.8 ug/L	5	ug/L	50.0	<5 ug/kg	118	60-135	3.60	30	
1,2,3-Trichloropropane	54.0 ug/L	5	ug/L	50.0	<5 ug/kg	108	65-130	3.37	30	
1,2,4-Trichlorobenzene	57.3 ug/L	5	ug/L	50.0	<5 ug/kg	115	65-130	2.15	30	
1,2,4-Trimethylbenzene	61.2 ug/L	5	ug/L	50.0	<5 ug/kg	122	65-135	0.196	30	
1,2-Dibromo-3-chloropropane (DBCP)	55.0 ug/L	5	ug/L	50.0	<5 ug/kg	110	40-135	9.38	30	
1,2-Dibromoethane (EDB)	55.4 ug/L	5	ug/L	50.0	<5 ug/kg	111	70-125	0.671	30	
1,2-Dichlorobenzene	57.6 ug/L	5	ug/L	50.0	<5 ug/kg	115	75-120	0.977	30	
1,2-Dichloroethane	52.1 ug/L	5	ug/L	50.0	<5 ug/kg	104	70-135	2.86	30	
1,2-Dichloropropane	57.9 ug/L	5	ug/L	50.0	<5 ug/kg	116	70-120	3.69	30	
1,3,5-Trimethylbenzene	59.4 ug/L	5	ug/L	50.0	<5 ug/kg	119	65-135	1.65	30	
1,3-Dichlorobenzene	58.7 ug/L	5	ug/L	50.0	<5 ug/kg	117	70-125	3.77	30	
1,3-Dichloropropane	55.8 ug/L	5	ug/L	50.0	<5 ug/kg	112	75-125	1.92	30	
1,4-Dichlorobenzene	56.5 ug/L	5	ug/L	50.0	<5 ug/kg	113	70-125	3.49	30	
2,2-Dichloropropane	52.8 ug/L	5	ug/L	50.0	<5 ug/kg	106	65-135	2.78	30	
2-Butanone (MEK)	37.0 ug/L	5	ug/L	50.0	<5 ug/kg	74.1	30-160	18.9	30	
2-Chlorotoluene	56.6 ug/L	5	ug/L	50.0	<5 ug/kg	113	70-130	0.300	30	
2-Hexanone (MBK)	43.7 ug/L	5	ug/L	50.0	<5 ug/kg	87.5	45-145	0.0229	30	
4-Chlorotoluene	54.7 ug/L	5	ug/L	50.0	<5 ug/kg	109	75-125	0.0548	30	
4-Isopropyltoluene	62.0 ug/L	5	ug/L	50.0	<5 ug/kg	124	75-135	2.07	30	
4-Methyl-2-pentanone (MIBK)	45.4 ug/L	5	ug/L	50.0	<5 ug/kg	90.7	45-145	1.76	30	
Acetone	34.3 ug/L	10	ug/L	50.0	<10 ug/kg	68.7	20-160		30	
Benzene	56.4 ug/L	5	ug/L	50.0	<5 ug/kg	113	75-125	1.82	30	
Bromobenzene	56.2 ug/L	5	ug/L	50.0	<5 ug/kg	112	65-120	0.786	30	
Bromochloromethane	48.4 ug/L	5	ug/L	50.0	<5 ug/kg	96.8	70-125	2.47	30	



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Batch BHA0871 - SW5030B-MS

Matrix Spike Dup (BHA0871-MSD1)		Source: 24A1359-04			Prepared & Analyzed: 01/25/2024					
Bromodichloromethane	58.6 ug/L	5	ug/L	50.0	<5 ug/kg	117	70-130	2.31	30	
Bromoform	54.2 ug/L	5	ug/L	50.0	<5 ug/kg	108	55-135	1.80	30	
Bromomethane	52.9 ug/L	5	ug/L	50.0	<5 ug/kg	106	30-160	4.86	30	
Carbon disulfide	42.8 ug/L	5	ug/L	50.0	<5 ug/kg	85.7	45-160	2.72	30	
Carbon tetrachloride	54.8 ug/L	5	ug/L	50.0	<5 ug/kg	110	65-135	1.51	30	
Chlorobenzene	56.7 ug/L	5	ug/L	50.0	<5 ug/kg	113	75-125	1.17	30	
Chloroethane	55.2 ug/L	5	ug/L	50.0	<5 ug/kg	110	40-155	3.35	30	
Chloroform	52.1 ug/L	5	ug/L	50.0	<5 ug/kg	104	70-125	3.56	30	
Chloromethane	65.0 ug/L	5	ug/L	50.0	<5 ug/kg	130	50-130	2.48	30	M
cis-1,2-Dichloroethylene	51.4 ug/L	5	ug/L	50.0	<5 ug/kg	103	65-125	2.72	30	
cis-1,3-Dichloropropene	55.2 ug/L	5	ug/L	50.0	<5 ug/kg	110	70-125	2.22	30	
Dibromochloromethane	55.2 ug/L	5	ug/L	50.0	<5 ug/kg	110	65-130	4.44	30	
Dibromomethane	59.2 ug/L	5	ug/L	50.0	<5 ug/kg	118	75-130	4.12	30	
Dichlorodifluoromethane	108 ug/L	5	ug/L	50.0	<5 ug/kg	215	35-135	1.57	30	M
Ethylbenzene	58.1 ug/L	5	ug/L	50.0	<5 ug/kg	116	75-125	0.345	30	
Hexachlorobutadiene	55.5 ug/L	5	ug/L	50.0	<5 ug/kg	111	55-140	0.415	30	
Isopropylbenzene	54.3 ug/L	5	ug/L	50.0	<5 ug/kg	109	75-130	1.90	30	
m+p-Xylenes	112 ug/L	5	ug/L	100	<5 ug/kg	112	80-125	0.493	30	
Methylene chloride	48.7 ug/L	5	ug/L	50.0	<5 ug/kg	93.2	55-140	2.41	30	
Methyl-t-butyl ether (MTBE)	55.6 ug/L	5	ug/L	50.0	<5 ug/kg	111	65-125	3.20	30	
Naphthalene	60.5 ug/L	5	ug/L	50.0	<5 ug/kg	121	40-125	2.92	30	
n-Butylbenzene	62.9 ug/L	5	ug/L	50.0	<5 ug/kg	126	65-140	2.31	30	
n-Propylbenzene	57.4 ug/L	5	ug/L	50.0	<5 ug/kg	115	65-135	3.44	30	
o-Xylene	55.2 ug/L	5	ug/L	50.0	<5 ug/kg	110	75-125	0.764	30	
sec-Butylbenzene	62.7 ug/L	5	ug/L	50.0	<5 ug/kg	125	65-130	1.87	30	
Styrene	55.5 ug/L	5	ug/L	50.0	<5 ug/kg	111	75-125	1.95	30	
tert-Butylbenzene	58.9 ug/L	5	ug/L	50.0	<5 ug/kg	118	65-130	2.91	30	
Tetrachloroethylene (PCE)	55.5 ug/L	5	ug/L	50.0	<5 ug/kg	111	48.1-219	3.37	30	
Toluene	56.2 ug/L	5	ug/L	50.0	<5 ug/kg	112	70-125	2.03	30	
trans-1,2-Dichloroethylene	50.2 ug/L	5	ug/L	50.0	<5 ug/kg	100	65-135	5.08	30	
trans-1,3-Dichloropropene	59.6 ug/L	5	ug/L	50.0	<5 ug/kg	119	65-125	3.76	30	



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Batch BHA0871 - SW5030B-MS

Matrix Spike Dup (BHA0871-MSD1)

Source: 24A1359-04

Prepared & Analyzed: 01/25/2024

Trichloroethylene	55.4 ug/L	5	ug/L	50.0	<5 ug/kg	111	75-125	3.96	30
Trichlorofluoromethane	60.9 ug/L	5	ug/L	50.0	<5 ug/kg	122	25-185	2.59	30
Vinyl chloride	55.0 ug/L	5	ug/L	50.0	<5 ug/kg	110	60-125	2.19	30
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Surr: 1,2-Dichloroethane-d4 (Surr)	43.2		ug/L	50.0	ug/L	86.4	80-120		
Surr: 4-Bromofluorobenzene (Surr)	50.1		ug/L	50.0	ug/L	100	85-120		
Surr: Dibromofluoromethane (Surr)	45.5		ug/L	50.0	ug/L	91.0	80-130		
Surr: Toluene-d8 (Surr)	48.9		ug/L	50.0	ug/L	97.8	85-115		

Batch BHA0922 - SW5030B-MS

Blank (BHA0922-BLK1)

Prepared & Analyzed: 01/26/2024

1,1,1,2-Tetrachloroethane	<5.00 ug/kg	5.00	ug/kg
1,1,1-Trichloroethane	<5.00 ug/kg	5.00	ug/kg
1,1,2,2-Tetrachloroethane	<5.00 ug/kg	5.00	ug/kg
1,1,2-Trichloroethane	<5.00 ug/kg	5.00	ug/kg
1,1-Dichloroethane	<5.00 ug/kg	5.00	ug/kg
1,1-Dichloroethylene	<5.00 ug/kg	5.00	ug/kg
1,1-Dichloropropene	<5.00 ug/kg	5.00	ug/kg
1,2,3-Trichlorobenzene	<5.00 ug/kg	5.00	ug/kg
1,2,3-Trichloropropane	<5.00 ug/kg	5.00	ug/kg
1,2,4-Trichlorobenzene	<5.00 ug/kg	5.00	ug/kg
1,2,4-Trimethylbenzene	<5.00 ug/kg	5.00	ug/kg
1,2-Dibromo-3-chloropropane (DBCP)	<5.00 ug/kg	5.00	ug/kg
1,2-Dibromoethane (EDB)	<5.00 ug/kg	5.00	ug/kg
1,2-Dichlorobenzene	<5.00 ug/kg	5.00	ug/kg
1,2-Dichloroethane	<5.00 ug/kg	5.00	ug/kg
1,2-Dichloropropane	<5.00 ug/kg	5.00	ug/kg
1,3,5-Trimethylbenzene	<5.00 ug/kg	5.00	ug/kg
1,3-Dichlorobenzene	<5.00 ug/kg	5.00	ug/kg
1,3-Dichloropropane	<5.00 ug/kg	5.00	ug/kg
1,4-Dichlorobenzene	<5.00 ug/kg	5.00	ug/kg



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Batch BHA0922 - SW5030B-MS

Blank (BHA0922-BLK1)

Prepared & Analyzed: 01/26/2024

1,4-Dioxane	<80.0 ug/kg	80.0	ug/kg
2,2-Dichloropropane	<5.00 ug/kg	5.00	ug/kg
2-Butanone (MEK)	<5.00 ug/kg	5.00	ug/kg
2-Chlorotoluene	<5.00 ug/kg	5.00	ug/kg
2-Hexanone (MBK)	<5.00 ug/kg	5.00	ug/kg
4-Chlorotoluene	<5.00 ug/kg	5.00	ug/kg
4-Isopropyltoluene	<5.00 ug/kg	5.00	ug/kg
4-Methyl-2-pentanone (MIBK)	<5.00 ug/kg	5.00	ug/kg
Acetone	<10.0 ug/kg	10.0	ug/kg
Benzene	<5.00 ug/kg	5.00	ug/kg
Bromobenzene	<5.00 ug/kg	5.00	ug/kg
Bromochloromethane	<5.00 ug/kg	5.00	ug/kg
Bromodichloromethane	<5.00 ug/kg	5.00	ug/kg
Bromoform	<5.00 ug/kg	5.00	ug/kg
Bromomethane	<5.00 ug/kg	5.00	ug/kg
Carbon disulfide	<5.00 ug/kg	5.00	ug/kg
Carbon tetrachloride	<5.00 ug/kg	5.00	ug/kg
Chlorobenzene	<5.00 ug/kg	5.00	ug/kg
Chloroethane	<5.00 ug/kg	5.00	ug/kg
Chloroform	<5.00 ug/kg	5.00	ug/kg
Chloromethane	<5.00 ug/kg	5.00	ug/kg
cis-1,2-Dichloroethylene	<5.00 ug/kg	5.00	ug/kg
cis-1,3-Dichloropropene	<5.00 ug/kg	5.00	ug/kg
Dibromochloromethane	<5.00 ug/kg	5.00	ug/kg
Dibromomethane	<5.00 ug/kg	5.00	ug/kg
Dichlorodifluoromethane	<5.00 ug/kg	5.00	ug/kg
Di-isopropyl ether (DIPE)	<5.00 ug/kg	5.00	ug/kg
Ethylbenzene	<5.00 ug/kg	5.00	ug/kg
Hexachlorobutadiene	<5.00 ug/kg	5.00	ug/kg
Iodomethane	<10.0 ug/kg	10.0	ug/kg
Isopropylbenzene	<5.00 ug/kg	5.00	ug/kg



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Batch BHA0922 - SW5030B-MS

Blank (BHA0922-BLK1)

Prepared & Analyzed: 01/26/2024

m+p-Xylenes	<5.00 ug/kg	5.00	ug/kg
Methylene chloride	<5.00 ug/kg	5.00	ug/kg
Methyl-t-butyl ether (MTBE)	<5.00 ug/kg	5.00	ug/kg
Naphthalene	<5.00 ug/kg	5.00	ug/kg
n-Butylbenzene	<5.00 ug/kg	5.00	ug/kg
n-Propylbenzene	<5.00 ug/kg	5.00	ug/kg
o-Xylene	<5.00 ug/kg	5.00	ug/kg
sec-Butylbenzene	<5.00 ug/kg	5.00	ug/kg
Styrene	<5.00 ug/kg	5.00	ug/kg
tert-Butylbenzene	<5.00 ug/kg	5.00	ug/kg
Tetrachloroethylene (PCE)	<5.00 ug/kg	5.00	ug/kg
Toluene	<5.00 ug/kg	5.00	ug/kg
trans-1,2-Dichloroethylene	<5.00 ug/kg	5.00	ug/kg
trans-1,3-Dichloropropene	<5.00 ug/kg	5.00	ug/kg
Trichloroethylene	<5.00 ug/kg	5.00	ug/kg
Trichlorofluoromethane	<5.00 ug/kg	5.00	ug/kg
Vinyl acetate	<10.0 ug/kg	10.0	ug/kg
Vinyl chloride	<5.00 ug/kg	5.00	ug/kg
Xylenes, Total	<15.0 ug/kg	15.0	ug/kg

Surr: 1,2-Dichloroethane-d4 (Surr)	44.9	ug/L	50.0	89.8	80-120
Surr: 4-Bromofluorobenzene (Surr)	49.7	ug/L	50.0	99.4	85-120
Surr: Dibromofluoromethane (Surr)	44.6	ug/L	50.0	89.2	80-130
Surr: Toluene-d8 (Surr)	49.3	ug/L	50.0	98.7	85-115

LCS (BHA0922-BS1)

Prepared & Analyzed: 01/26/2024

1,1,1,2-Tetrachloroethane	47.8 ug/L	5	ug/L	50.0	ug/L	95.7	85-132
1,1,1-Trichloroethane	46.2 ug/L	5	ug/L	50.0	ug/L	92.3	70-135
1,1,2,2-Tetrachloroethane	46.0 ug/L	5	ug/L	50.0	ug/L	92.0	55-130
1,1,2-Trichloroethane	46.8 ug/L	5	ug/L	50.0	ug/L	93.6	60-125
1,1-Dichloroethane	43.0 ug/L	5	ug/L	50.0	ug/L	86.0	70-136
1,1-Dichloroethylene	42.4 ug/L	5	ug/L	50.0	ug/L	84.7	65-135
1,1-Dichloropropene	44.4 ug/L	5	ug/L	50.0	ug/L	88.7	70-135



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Midlothian VA, 23113
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Client Site I.D.: Laurinburg Phase II

Date Issued: February 07, 2024 16:56
Project Number: 23012618
Purchase Order:

Volatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Qual
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Batch BHA0922 - SW5030B-MS

LCS (BHA0922-BS1)

Prepared & Analyzed: 01/26/2024

1,2,3-Trichlorobenzene	48.4 ug/L	5	ug/L	50.0	ug/L	96.8	60-135		
1,2,3-Trichloropropane	46.0 ug/L	5	ug/L	50.0	ug/L	92.1	65-130		
1,2,4-Trichlorobenzene	48.2 ug/L	5	ug/L	50.0	ug/L	96.4	65-130		
1,2,4-Trimethylbenzene	52.8 ug/L	5	ug/L	50.0	ug/L	106	65-135		
1,2-Dibromo-3-chloropropane (DBCP)	46.7 ug/L	5	ug/L	50.0	ug/L	93.4	40-135		
1,2-Dibromoethane (EDB)	47.0 ug/L	5	ug/L	50.0	ug/L	94.0	70-125		
1,2-Dichlorobenzene	49.1 ug/L	5	ug/L	50.0	ug/L	98.2	75-120		
1,2-Dichloroethane	43.9 ug/L	5	ug/L	50.0	ug/L	87.9	70-135		
1,2-Dichloropropane	49.0 ug/L	5	ug/L	50.0	ug/L	97.9	70-120		
1,3,5-Trimethylbenzene	51.2 ug/L	5	ug/L	50.0	ug/L	102	65-135		
1,3-Dichlorobenzene	49.0 ug/L	5	ug/L	50.0	ug/L	97.9	70-125		
1,3-Dichloropropane	47.0 ug/L	5	ug/L	50.0	ug/L	94.1	75-125		
1,4-Dichlorobenzene	47.6 ug/L	5	ug/L	50.0	ug/L	95.2	70-125		
2,2-Dichloropropane	43.3 ug/L	5	ug/L	50.0	ug/L	86.5	65-135		
2-Butanone (MEK)	34.7 ug/L	5	ug/L	50.0	ug/L	69.3	30-160		
2-Chlorotoluene	48.2 ug/L	5	ug/L	50.0	ug/L	96.5	70-130		
2-Hexanone (MBK)	43.8 ug/L	5	ug/L	50.0	ug/L	87.5	45-145		
4-Chlorotoluene	47.4 ug/L	5	ug/L	50.0	ug/L	94.9	75-125		
4-Isopropyltoluene	52.5 ug/L	5	ug/L	50.0	ug/L	105	75-135		
4-Methyl-2-pentanone (MIBK)	45.6 ug/L	5	ug/L	50.0	ug/L	91.3	45-145		
Acetone	33.4 ug/L	10	ug/L	50.0	ug/L	66.9	20-160		
Benzene	48.0 ug/L	5	ug/L	50.0	ug/L	96.0	75-125		
Bromobenzene	47.8 ug/L	5	ug/L	50.0	ug/L	95.5	65-120		
Bromochloromethane	40.8 ug/L	5	ug/L	50.0	ug/L	81.6	70-125		
Bromodichloromethane	49.2 ug/L	5	ug/L	50.0	ug/L	98.5	70-130		
Bromoform	45.2 ug/L	5	ug/L	50.0	ug/L	90.3	55-135		
Bromomethane	42.8 ug/L	5	ug/L	50.0	ug/L	85.7	30-160		
Carbon disulfide	41.1 ug/L	5	ug/L	50.0	ug/L	82.1	45-160		
Carbon tetrachloride	45.9 ug/L	5	ug/L	50.0	ug/L	91.9	65-135		
Chlorobenzene	48.2 ug/L	5	ug/L	50.0	ug/L	96.3	75-125		
Chloroethane	45.2 ug/L	5	ug/L	50.0	ug/L	90.4	40-155		



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Volatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Qual
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Batch BHA0922 - SW5030B-MS

LCS (BHA0922-BS1)

Prepared & Analyzed: 01/26/2024

Chloroform	43.4 ug/L	5	ug/L	50.0	ug/L	86.8	70-125		
Chloromethane	52.9 ug/L	5	ug/L	50.0	ug/L	106	50-130		
cis-1,2-Dichloroethylene	42.4 ug/L	5	ug/L	50.0	ug/L	84.8	65-125		
cis-1,3-Dichloropropene	46.6 ug/L	5	ug/L	50.0	ug/L	93.1	70-125		
Dibromochloromethane	45.5 ug/L	5	ug/L	50.0	ug/L	90.9	65-130		
Dibromomethane	50.7 ug/L	5	ug/L	50.0	ug/L	101	75-130		
Dichlorodifluoromethane	89.0 ug/L	5	ug/L	50.0	ug/L	178	35-135		L
Ethylbenzene	50.3 ug/L	5	ug/L	50.0	ug/L	101	75-125		
Hexachlorobutadiene	47.9 ug/L	5	ug/L	50.0	ug/L	95.8	55-140		
Isopropylbenzene	46.3 ug/L	5	ug/L	50.0	ug/L	92.6	75-130		
m+p-Xylenes	95.8 ug/L	5	ug/L	100	ug/L	95.8	80-125		
Methylene chloride	40.3 ug/L	5	ug/L	50.0	ug/L	80.6	55-140		
Methyl-t-butyl ether (MTBE)	45.1 ug/L	5	ug/L	50.0	ug/L	90.1	65-125		
Naphthalene	50.6 ug/L	5	ug/L	50.0	ug/L	101	40-125		
n-Butylbenzene	54.2 ug/L	5	ug/L	50.0	ug/L	108	65-140		
n-Propylbenzene	48.0 ug/L	5	ug/L	50.0	ug/L	95.9	65-135		
o-Xylene	47.2 ug/L	5	ug/L	50.0	ug/L	94.4	75-125		
sec-Butylbenzene	53.6 ug/L	5	ug/L	50.0	ug/L	107	65-130		
Styrene	46.6 ug/L	5	ug/L	50.0	ug/L	93.2	75-125		
tert-Butylbenzene	50.4 ug/L	5	ug/L	50.0	ug/L	101	65-130		
Tetrachloroethylene (PCE)	47.2 ug/L	5	ug/L	50.0	ug/L	94.4	48.1-219		
Toluene	47.7 ug/L	5	ug/L	50.0	ug/L	95.4	70-125		
trans-1,2-Dichloroethylene	41.7 ug/L	5	ug/L	50.0	ug/L	83.3	65-135		
trans-1,3-Dichloropropene	49.5 ug/L	5	ug/L	50.0	ug/L	99.1	65-125		
Trichloroethylene	47.1 ug/L	5	ug/L	50.0	ug/L	94.2	75-125		
Trichlorofluoromethane	51.0 ug/L	5	ug/L	50.0	ug/L	102	25-185		
Vinyl chloride	45.0 ug/L	5	ug/L	50.0	ug/L	90.0	60-125		
Surr: 1,2-Dichloroethane-d4 (Surr)	45.3		ug/L	50.0	ug/L	90.6	80-120		
Surr: 4-Bromofluorobenzene (Surr)	49.2		ug/L	50.0	ug/L	98.3	85-120		
Surr: Dibromofluoromethane (Surr)	44.3		ug/L	50.0	ug/L	88.6	80-130		
Surr: Toluene-d8 (Surr)	48.5		ug/L	50.0	ug/L	97.0	85-115		



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Volatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Qual
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Batch BHA0922 - SW5030B-MS

Matrix Spike (BHA0922-MS1)

Source: 24A1467-09

Prepared & Analyzed: 01/26/2024

1,1,1,2-Tetrachloroethane	45.8 ug/L	5	ug/L	50.0	<5 ug/kg	91.7	52-140		
1,1,1-Trichloroethane	44.8 ug/L	5	ug/L	50.0	<5 ug/kg	89.6	70-135		
1,1,2,2-Tetrachloroethane	43.8 ug/L	5	ug/L	50.0	<5 ug/kg	87.6	55-130		
1,1,2-Trichloroethane	44.7 ug/L	5	ug/L	50.0	<5 ug/kg	89.5	60-125		
1,1-Dichloroethane	41.9 ug/L	5	ug/L	50.0	<5 ug/kg	83.8	60-134		
1,1-Dichloroethylene	41.0 ug/L	5	ug/L	50.0	<5 ug/kg	82.0	65-135		
1,1-Dichloropropene	42.6 ug/L	5	ug/L	50.0	<5 ug/kg	85.2	70-135		
1,2,3-Trichlorobenzene	47.5 ug/L	5	ug/L	50.0	<5 ug/kg	94.9	60-135		
1,2,3-Trichloropropane	43.9 ug/L	5	ug/L	50.0	<5 ug/kg	87.9	65-130		
1,2,4-Trichlorobenzene	46.5 ug/L	5	ug/L	50.0	<5 ug/kg	93.1	65-130		
1,2,4-Trimethylbenzene	50.1 ug/L	5	ug/L	50.0	<5 ug/kg	100	65-135		
1,2-Dibromo-3-chloropropane (DBCP)	40.1 ug/L	5	ug/L	50.0	<5 ug/kg	80.1	40-135		
1,2-Dibromoethane (EDB)	45.4 ug/L	5	ug/L	50.0	<5 ug/kg	90.9	70-125		
1,2-Dichlorobenzene	46.5 ug/L	5	ug/L	50.0	<5 ug/kg	93.0	75-120		
1,2-Dichloroethane	42.0 ug/L	5	ug/L	50.0	<5 ug/kg	84.0	70-135		
1,2-Dichloropropane	46.5 ug/L	5	ug/L	50.0	<5 ug/kg	93.0	70-120		
1,3,5-Trimethylbenzene	48.7 ug/L	5	ug/L	50.0	<5 ug/kg	97.5	65-135		
1,3-Dichlorobenzene	47.0 ug/L	5	ug/L	50.0	<5 ug/kg	94.0	70-125		
1,3-Dichloropropane	44.7 ug/L	5	ug/L	50.0	<5 ug/kg	89.5	75-125		
1,4-Dichlorobenzene	45.9 ug/L	5	ug/L	50.0	<5 ug/kg	91.8	70-125		
2,2-Dichloropropane	42.6 ug/L	5	ug/L	50.0	<5 ug/kg	85.2	65-135		
2-Butanone (MEK)	31.8 ug/L	5	ug/L	50.0	<5 ug/kg	63.7	30-160		
2-Chlorotoluene	45.9 ug/L	5	ug/L	50.0	<5 ug/kg	91.7	70-130		
2-Hexanone (MBK)	41.0 ug/L	5	ug/L	50.0	<5 ug/kg	81.9	45-145		
4-Chlorotoluene	45.5 ug/L	5	ug/L	50.0	<5 ug/kg	90.9	75-125		
4-Isopropyltoluene	50.9 ug/L	5	ug/L	50.0	<5 ug/kg	102	75-135		
4-Methyl-2-pentanone (MIBK)	41.7 ug/L	5	ug/L	50.0	<5 ug/kg	83.4	45-145		
Acetone	33.6 ug/L	10	ug/L	50.0	<10 ug/kg	58.2	20-160		
Benzene	45.6 ug/L	5	ug/L	50.0	<5 ug/kg	91.2	75-125		
Bromobenzene	45.7 ug/L	5	ug/L	50.0	<5 ug/kg	91.3	65-120		
Bromochloromethane	39.1 ug/L	5	ug/L	50.0	<5 ug/kg	78.2	70-125		



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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Qual
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Batch BHA0922 - SW5030B-MS

Matrix Spike (BHA0922-MS1)

Source: 24A1467-09

Prepared & Analyzed: 01/26/2024

Bromodichloromethane	46.8 ug/L	5	ug/L	50.0	<5 ug/kg	93.6	70-130		
Bromoform	44.2 ug/L	5	ug/L	50.0	<5 ug/kg	88.3	55-135		
Bromomethane	43.7 ug/L	5	ug/L	50.0	<5 ug/kg	87.4	30-160		
Carbon disulfide	40.1 ug/L	5	ug/L	50.0	<5 ug/kg	80.1	45-160		
Carbon tetrachloride	44.8 ug/L	5	ug/L	50.0	<5 ug/kg	89.7	65-135		
Chlorobenzene	46.8 ug/L	5	ug/L	50.0	<5 ug/kg	93.6	75-125		
Chloroethane	44.7 ug/L	5	ug/L	50.0	<5 ug/kg	89.3	40-155		
Chloroform	41.1 ug/L	5	ug/L	50.0	<5 ug/kg	82.3	70-125		
Chloromethane	51.9 ug/L	5	ug/L	50.0	<5 ug/kg	104	50-130		
cis-1,2-Dichloroethylene	40.1 ug/L	5	ug/L	50.0	<5 ug/kg	80.2	65-125		
cis-1,3-Dichloropropene	44.4 ug/L	5	ug/L	50.0	<5 ug/kg	88.8	70-125		
Dibromochloromethane	43.7 ug/L	5	ug/L	50.0	<5 ug/kg	87.3	65-130		
Dibromomethane	46.6 ug/L	5	ug/L	50.0	<5 ug/kg	93.1	75-130		
Dichlorodifluoromethane	86.0 ug/L	5	ug/L	50.0	<5 ug/kg	172	35-135		M
Ethylbenzene	48.2 ug/L	5	ug/L	50.0	<5 ug/kg	96.3	75-125		
Hexachlorobutadiene	45.6 ug/L	5	ug/L	50.0	<5 ug/kg	91.1	55-140		
Isopropylbenzene	44.5 ug/L	5	ug/L	50.0	<5 ug/kg	88.9	75-130		
m+p-Xylenes	92.1 ug/L	5	ug/L	100	<5 ug/kg	92.1	80-125		
Methylene chloride	39.4 ug/L	5	ug/L	50.0	<5 ug/kg	76.5	55-140		
Methyl-t-butyl ether (MTBE)	44.0 ug/L	5	ug/L	50.0	<5 ug/kg	88.0	65-125		
Naphthalene	48.9 ug/L	5	ug/L	50.0	<5 ug/kg	97.8	40-125		
n-Butylbenzene	51.2 ug/L	5	ug/L	50.0	<5 ug/kg	102	65-140		
n-Propylbenzene	45.0 ug/L	5	ug/L	50.0	<5 ug/kg	90.0	65-135		
o-Xylene	45.1 ug/L	5	ug/L	50.0	<5 ug/kg	90.2	75-125		
sec-Butylbenzene	51.3 ug/L	5	ug/L	50.0	<5 ug/kg	103	65-130		
Styrene	45.7 ug/L	5	ug/L	50.0	<5 ug/kg	91.4	75-125		
tert-Butylbenzene	47.7 ug/L	5	ug/L	50.0	<5 ug/kg	95.4	65-130		
Tetrachloroethylene (PCE)	44.6 ug/L	5	ug/L	50.0	<5 ug/kg	89.1	48.1-219		
Toluene	45.4 ug/L	5	ug/L	50.0	<5 ug/kg	90.8	70-125		
trans-1,2-Dichloroethylene	39.7 ug/L	5	ug/L	50.0	<5 ug/kg	79.4	65-135		
trans-1,3-Dichloropropene	47.3 ug/L	5	ug/L	50.0	<5 ug/kg	94.6	65-125		



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Batch BHA0922 - SW5030B-MS

Matrix Spike (BHA0922-MS1)

Source: 24A1467-09

Prepared & Analyzed: 01/26/2024

Trichloroethylene	44.8 ug/L	5	ug/L	50.0	<5 ug/kg	89.7	75-125		
Trichlorofluoromethane	49.6 ug/L	5	ug/L	50.0	<5 ug/kg	99.2	25-185		
Vinyl chloride	44.4 ug/L	5	ug/L	50.0	<5 ug/kg	88.8	60-125		
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Surr: 1,2-Dichloroethane-d4 (Surr)	45.1		ug/L	50.0	ug/L	90.3	80-120		
Surr: 4-Bromofluorobenzene (Surr)	49.7		ug/L	50.0	ug/L	99.4	85-120		
Surr: Dibromofluoromethane (Surr)	44.6		ug/L	50.0	ug/L	89.3	80-130		
Surr: Toluene-d8 (Surr)	48.7		ug/L	50.0	ug/L	97.4	85-115		

Matrix Spike Dup (BHA0922-MSD1)

Source: 24A1467-09

Prepared & Analyzed: 01/26/2024

1,1,1,2-Tetrachloroethane	48.5 ug/L	5	ug/L	50.0	<5 ug/kg	97.0	52-140	5.58	30
1,1,1-Trichloroethane	47.0 ug/L	5	ug/L	50.0	<5 ug/kg	93.9	70-135	4.73	30
1,1,2,2-Tetrachloroethane	46.6 ug/L	5	ug/L	50.0	<5 ug/kg	93.3	55-130	6.26	30
1,1,2-Trichloroethane	47.6 ug/L	5	ug/L	50.0	<5 ug/kg	95.2	60-125	6.22	30
1,1-Dichloroethane	44.0 ug/L	5	ug/L	50.0	<5 ug/kg	88.0	60-134	4.84	30
1,1-Dichloroethylene	43.0 ug/L	5	ug/L	50.0	<5 ug/kg	85.9	65-135	4.62	30
1,1-Dichloropropene	45.0 ug/L	5	ug/L	50.0	<5 ug/kg	90.1	70-135	5.52	30
1,2,3-Trichlorobenzene	51.2 ug/L	5	ug/L	50.0	<5 ug/kg	102	60-135	7.60	30
1,2,3-Trichloropropane	46.8 ug/L	5	ug/L	50.0	<5 ug/kg	93.7	65-130	6.37	30
1,2,4-Trichlorobenzene	50.1 ug/L	5	ug/L	50.0	<5 ug/kg	100	65-130	7.41	30
1,2,4-Trimethylbenzene	53.7 ug/L	5	ug/L	50.0	<5 ug/kg	107	65-135	6.99	30
1,2-Dibromo-3-chloropropane (DBCP)	45.0 ug/L	5	ug/L	50.0	<5 ug/kg	90.0	40-135	11.5	30
1,2-Dibromoethane (EDB)	47.2 ug/L	5	ug/L	50.0	<5 ug/kg	94.4	70-125	3.78	30
1,2-Dichlorobenzene	50.8 ug/L	5	ug/L	50.0	<5 ug/kg	102	75-120	8.78	30
1,2-Dichloroethane	44.1 ug/L	5	ug/L	50.0	<5 ug/kg	88.2	70-135	4.86	30
1,2-Dichloropropane	49.2 ug/L	5	ug/L	50.0	<5 ug/kg	98.4	70-120	5.62	30
1,3,5-Trimethylbenzene	52.3 ug/L	5	ug/L	50.0	<5 ug/kg	105	65-135	7.03	30
1,3-Dichlorobenzene	50.5 ug/L	5	ug/L	50.0	<5 ug/kg	101	70-125	7.10	30
1,3-Dichloropropane	47.6 ug/L	5	ug/L	50.0	<5 ug/kg	95.2	75-125	6.26	30
1,4-Dichlorobenzene	49.0 ug/L	5	ug/L	50.0	<5 ug/kg	98.1	70-125	6.64	30
2,2-Dichloropropane	43.9 ug/L	5	ug/L	50.0	<5 ug/kg	87.8	65-135	3.01	30
2-Butanone (MEK)	37.6 ug/L	5	ug/L	50.0	<5 ug/kg	75.1	30-160	16.4	30
2-Chlorotoluene	49.6 ug/L	5	ug/L	50.0	<5 ug/kg	99.1	70-130	7.78	30



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Certificate of Analysis

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Midlothian VA, 23113
Submitted To: Michael May
Client Site I.D.: Laurinburg Phase II

Date Issued: February 07, 2024 16:56
Project Number: 23012618
Purchase Order:

Volatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Qual
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Batch BHA0922 - SW5030B-MS

Matrix Spike Dup (BHA0922-MSD1)

Source: 24A1467-09

Prepared & Analyzed: 01/26/2024

2-Hexanone (MBK)	48.1 ug/L	5	ug/L	50.0	<5 ug/kg	96.2	45-145	16.1	30	
4-Chlorotoluene	49.0 ug/L	5	ug/L	50.0	<5 ug/kg	98.0	75-125	7.45	30	
4-Isopropyltoluene	54.4 ug/L	5	ug/L	50.0	<5 ug/kg	109	75-135	6.61	30	
4-Methyl-2-pentanone (MIBK)	50.0 ug/L	5	ug/L	50.0	<5 ug/kg	99.9	45-145	18.0	30	
Acetone	39.4 ug/L	10	ug/L	50.0	<10 ug/kg	69.5	20-160	15.9	30	
Benzene	47.8 ug/L	5	ug/L	50.0	<5 ug/kg	95.7	75-125	4.75	30	
Bromobenzene	48.5 ug/L	5	ug/L	50.0	<5 ug/kg	96.9	65-120	5.95	30	
Bromochloromethane	40.8 ug/L	5	ug/L	50.0	<5 ug/kg	81.7	70-125	4.35	30	
Bromodichloromethane	49.3 ug/L	5	ug/L	50.0	<5 ug/kg	98.6	70-130	5.29	30	
Bromoform	47.0 ug/L	5	ug/L	50.0	<5 ug/kg	94.1	55-135	6.31	30	
Bromomethane	46.0 ug/L	5	ug/L	50.0	<5 ug/kg	92.0	30-160	5.20	30	
Carbon disulfide	46.6 ug/L	5	ug/L	50.0	<5 ug/kg	93.2	45-160	15.1	30	
Carbon tetrachloride	45.9 ug/L	5	ug/L	50.0	<5 ug/kg	91.8	65-135	2.31	30	
Chlorobenzene	49.0 ug/L	5	ug/L	50.0	<5 ug/kg	98.0	75-125	4.63	30	
Chloroethane	47.0 ug/L	5	ug/L	50.0	<5 ug/kg	94.1	40-155	5.15	30	
Chloroform	43.9 ug/L	5	ug/L	50.0	<5 ug/kg	87.9	70-125	6.58	30	
Chloromethane	54.1 ug/L	5	ug/L	50.0	<5 ug/kg	108	50-130	4.25	30	
cis-1,2-Dichloroethylene	43.3 ug/L	5	ug/L	50.0	<5 ug/kg	86.6	65-125	7.65	30	
cis-1,3-Dichloropropene	47.0 ug/L	5	ug/L	50.0	<5 ug/kg	93.9	70-125	5.63	30	
Dibromochloromethane	46.7 ug/L	5	ug/L	50.0	<5 ug/kg	93.4	65-130	6.71	30	
Dibromomethane	49.6 ug/L	5	ug/L	50.0	<5 ug/kg	99.3	75-130	6.40	30	
Dichlorodifluoromethane	92.1 ug/L	5	ug/L	50.0	<5 ug/kg	184	35-135	6.75	30	M
Ethylbenzene	50.5 ug/L	5	ug/L	50.0	<5 ug/kg	101	75-125	4.80	30	
Hexachlorobutadiene	49.0 ug/L	5	ug/L	50.0	<5 ug/kg	98.0	55-140	7.27	30	
Isopropylbenzene	47.0 ug/L	5	ug/L	50.0	<5 ug/kg	93.9	75-130	5.47	30	
m+p-Xylenes	97.8 ug/L	5	ug/L	100	<5 ug/kg	97.8	80-125	5.95	30	
Methylene chloride	40.2 ug/L	5	ug/L	50.0	<5 ug/kg	77.9	55-140	1.91	30	
Methyl-t-butyl ether (MTBE)	46.7 ug/L	5	ug/L	50.0	<5 ug/kg	93.4	65-125	6.00	30	
Naphthalene	53.6 ug/L	5	ug/L	50.0	<5 ug/kg	107	40-125	9.13	30	
n-Butylbenzene	55.1 ug/L	5	ug/L	50.0	<5 ug/kg	110	65-140	7.30	30	
n-Propylbenzene	49.4 ug/L	5	ug/L	50.0	<5 ug/kg	98.7	65-135	9.22	30	



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Enthalpy Analytical

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Qual
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Batch BHA0922 - SW5030B-MS

Matrix Spike Dup (BHA0922-MSD1)

Source: 24A1467-09

Prepared & Analyzed: 01/26/2024

o-Xylene	47.6 ug/L	5	ug/L	50.0	<5 ug/kg	95.3	75-125	5.41	30
sec-Butylbenzene	55.4 ug/L	5	ug/L	50.0	<5 ug/kg	111	65-130	7.61	30
Styrene	47.9 ug/L	5	ug/L	50.0	<5 ug/kg	95.8	75-125	4.68	30
tert-Butylbenzene	51.6 ug/L	5	ug/L	50.0	<5 ug/kg	103	65-130	7.89	30
Tetrachloroethylene (PCE)	46.9 ug/L	5	ug/L	50.0	<5 ug/kg	93.8	48.1-219	5.12	30
Toluene	48.3 ug/L	5	ug/L	50.0	<5 ug/kg	96.6	70-125	6.10	30
trans-1,2-Dichloroethylene	41.6 ug/L	5	ug/L	50.0	<5 ug/kg	83.3	65-135	4.82	30
trans-1,3-Dichloropropene	50.7 ug/L	5	ug/L	50.0	<5 ug/kg	101	65-125	6.84	30
Trichloroethylene	46.9 ug/L	5	ug/L	50.0	<5 ug/kg	93.8	75-125	4.49	30
Trichlorofluoromethane	51.8 ug/L	5	ug/L	50.0	<5 ug/kg	104	25-185	4.38	30
Vinyl chloride	46.5 ug/L	5	ug/L	50.0	<5 ug/kg	93.1	60-125	4.73	30
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Surr: 1,2-Dichloroethane-d4 (Surr)	43.6		ug/L	50.0	ug/L	87.2	80-120		
Surr: 4-Bromofluorobenzene (Surr)	49.4		ug/L	50.0	ug/L	98.8	85-120		
Surr: Dibromofluoromethane (Surr)	44.9		ug/L	50.0	ug/L	89.7	80-130		
Surr: Toluene-d8 (Surr)	48.7		ug/L	50.0	ug/L	97.4	85-115		

Batch BHA0924 - SW5030B-MS

Blank (BHA0924-BLK1)

Prepared & Analyzed: 01/26/2024

1,1,1,2-Tetrachloroethane	<0.40 ug/L	0.40	ug/L
1,1,1-Trichloroethane	<1.00 ug/L	1.00	ug/L
1,1,2,2-Tetrachloroethane	<0.40 ug/L	0.40	ug/L
1,1,2-Trichloroethane	<1.00 ug/L	1.00	ug/L
1,1-Dichloroethane	<1.00 ug/L	1.00	ug/L
1,1-Dichloroethylene	<1.00 ug/L	1.00	ug/L
1,1-Dichloropropene	<1.00 ug/L	1.00	ug/L
1,2,3-Trichlorobenzene	<1.00 ug/L	1.00	ug/L
1,2,3-Trichloropropane	<1.00 ug/L	1.00	ug/L
1,2,4-Trichlorobenzene	<1.00 ug/L	1.00	ug/L
1,2,4-Trimethylbenzene	<1.00 ug/L	1.00	ug/L
1,2-Dibromo-3-chloropropane (DBCP)	<1.00 ug/L	1.00	ug/L



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Batch BHA0924 - SW5030B-MS

Blank (BHA0924-BLK1)

Prepared & Analyzed: 01/26/2024

1,2-Dibromoethane (EDB)	<1.00 ug/L	1.00	ug/L
1,2-Dichlorobenzene	<0.50 ug/L	0.50	ug/L
1,2-Dichloroethane	<1.00 ug/L	1.00	ug/L
1,2-Dichloropropane	<0.50 ug/L	0.50	ug/L
1,3,5-Trimethylbenzene	<1.00 ug/L	1.00	ug/L
1,3-Dichlorobenzene	<1.00 ug/L	1.00	ug/L
1,3-Dichloropropane	<1.00 ug/L	1.00	ug/L
1,4-Dichlorobenzene	<1.00 ug/L	1.00	ug/L
2,2-Dichloropropane	<1.00 ug/L	1.00	ug/L
2-Butanone (MEK)	<10.0 ug/L	10.0	ug/L
2-Chlorotoluene	<1.00 ug/L	1.00	ug/L
2-Hexanone (MBK)	<5.00 ug/L	5.00	ug/L
4-Chlorotoluene	<1.00 ug/L	1.00	ug/L
4-Isopropyltoluene	<1.00 ug/L	1.00	ug/L
4-Methyl-2-pentanone (MIBK)	<5.00 ug/L	5.00	ug/L
Acetone	<10.0 ug/L	10.0	ug/L
Benzene	<1.00 ug/L	1.00	ug/L
Bromobenzene	<1.00 ug/L	1.00	ug/L
Bromochloromethane	<1.00 ug/L	1.00	ug/L
Bromodichloromethane	<0.50 ug/L	0.50	ug/L
Bromoform	<1.00 ug/L	1.00	ug/L
Bromomethane	<1.00 ug/L	1.00	ug/L
Carbon disulfide	<10.0 ug/L	10.0	ug/L
Carbon tetrachloride	<1.00 ug/L	1.00	ug/L
Chlorobenzene	<1.00 ug/L	1.00	ug/L
Chloroethane	<1.00 ug/L	1.00	ug/L
Chloroform	<0.50 ug/L	0.50	ug/L
Chloromethane	<1.00 ug/L	1.00	ug/L
cis-1,2-Dichloroethylene	<1.00 ug/L	1.00	ug/L
cis-1,3-Dichloropropene	<1.00 ug/L	1.00	ug/L
Dibromochloromethane	<0.50 ug/L	0.50	ug/L



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Enthalpy Analytical

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Qual
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Batch BHA0924 - SW5030B-MS

Blank (BHA0924-BLK1)

Prepared & Analyzed: 01/26/2024

Dibromomethane	<1.00 ug/L	1.00	ug/L
Dichlorodifluoromethane	<1.00 ug/L	1.00	ug/L
Di-isopropyl ether (DIPE)	<5.00 ug/L	5.00	ug/L
Ethylbenzene	<1.00 ug/L	1.00	ug/L
Hexachlorobutadiene	<0.80 ug/L	0.80	ug/L
Iodomethane	<10.0 ug/L	10.0	ug/L
Isopropylbenzene	<1.00 ug/L	1.00	ug/L
m+p-Xylenes	<2.00 ug/L	2.00	ug/L
Methylene chloride	<4.00 ug/L	4.00	ug/L
Methyl-t-butyl ether (MTBE)	<1.00 ug/L	1.00	ug/L
Naphthalene	<1.00 ug/L	1.00	ug/L
n-Butylbenzene	<1.00 ug/L	1.00	ug/L
n-Propylbenzene	<1.00 ug/L	1.00	ug/L
o-Xylene	<1.00 ug/L	1.00	ug/L
sec-Butylbenzene	<1.00 ug/L	1.00	ug/L
Styrene	<1.00 ug/L	1.00	ug/L
tert-Butylbenzene	<1.00 ug/L	1.00	ug/L
Tetrachloroethylene (PCE)	<1.00 ug/L	1.00	ug/L
Toluene	<1.00 ug/L	1.00	ug/L
trans-1,2-Dichloroethylene	<1.00 ug/L	1.00	ug/L
trans-1,3-Dichloropropene	<1.00 ug/L	1.00	ug/L
Trichloroethylene	<1.00 ug/L	1.00	ug/L
Trichlorofluoromethane	<1.00 ug/L	1.00	ug/L
Vinyl acetate	<10.0 ug/L	10.0	ug/L
Vinyl chloride	<0.50 ug/L	0.50	ug/L
Xylenes, Total	<3.00 ug/L	3.00	ug/L

Surr: 1,2-Dichloroethane-d4 (Surr)	43.4	ug/L	50.0	86.9	70-120
Surr: 4-Bromofluorobenzene (Surr)	53.9	ug/L	50.0	108	75-120
Surr: Dibromofluoromethane (Surr)	41.9	ug/L	50.0	83.8	70-130
Surr: Toluene-d8 (Surr)	49.6	ug/L	50.0	99.3	70-130



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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Qual
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Batch BHA0924 - SW5030B-MS

LCS (BHA0924-BS1)

Prepared & Analyzed: 01/26/2024

1,1,1,2-Tetrachloroethane	51.8 ug/L	0.4	ug/L	50.0	ug/L	104	80-130		
1,1,1-Trichloroethane	45.4 ug/L	1	ug/L	50.0	ug/L	90.9	65-130		
1,1,2,2-Tetrachloroethane	51.4 ug/L	0.4	ug/L	50.0	ug/L	103	65-130		
1,1,2-Trichloroethane	55.5 ug/L	1	ug/L	50.0	ug/L	111	75-125		
1,1-Dichloroethane	45.9 ug/L	1	ug/L	50.0	ug/L	91.9	70-135		
1,1-Dichloroethylene	46.4 ug/L	1	ug/L	50.0	ug/L	92.8	70-130		
1,1-Dichloropropene	44.5 ug/L	1	ug/L	50.0	ug/L	88.9	75-135		
1,2,3-Trichlorobenzene	45.8 ug/L	1	ug/L	50.0	ug/L	91.7	55-140		
1,2,3-Trichloropropane	48.4 ug/L	1	ug/L	50.0	ug/L	96.7	75-125		
1,2,4-Trichlorobenzene	47.3 ug/L	1	ug/L	50.0	ug/L	94.7	65-135		
1,2,4-Trimethylbenzene	51.4 ug/L	1	ug/L	50.0	ug/L	103	75-130		
1,2-Dibromo-3-chloropropane (DBCP)	45.9 ug/L	1	ug/L	50.0	ug/L	91.8	50-130		
1,2-Dibromoethane (EDB)	49.9 ug/L	1	ug/L	50.0	ug/L	99.7	80-120		
1,2-Dichlorobenzene	48.9 ug/L	0.5	ug/L	50.0	ug/L	97.8	70-120		
1,2-Dichloroethane	41.2 ug/L	1	ug/L	50.0	ug/L	82.4	70-130		
1,2-Dichloropropane	48.7 ug/L	0.5	ug/L	50.0	ug/L	97.4	75-125		
1,3,5-Trimethylbenzene	52.7 ug/L	1	ug/L	50.0	ug/L	105	75-125		
1,3-Dichlorobenzene	51.9 ug/L	1	ug/L	50.0	ug/L	104	75-125		
1,3-Dichloropropane	50.2 ug/L	1	ug/L	50.0	ug/L	100	75-125		
1,4-Dichlorobenzene	50.0 ug/L	1	ug/L	50.0	ug/L	99.9	75-125		
2,2-Dichloropropane	46.2 ug/L	1	ug/L	50.0	ug/L	92.4	70-135		
2-Butanone (MEK)	41.1 ug/L	10	ug/L	50.0	ug/L	82.2	30-150		
2-Chlorotoluene	54.1 ug/L	1	ug/L	50.0	ug/L	108	75-125		
2-Hexanone (MBK)	48.8 ug/L	5	ug/L	50.0	ug/L	97.5	55-130		
4-Chlorotoluene	54.1 ug/L	1	ug/L	50.0	ug/L	108	75-130		
4-Isopropyltoluene	52.6 ug/L	1	ug/L	50.0	ug/L	105	75-130		
4-Methyl-2-pentanone (MIBK)	53.3 ug/L	5	ug/L	50.0	ug/L	107	60-135		
Acetone	37.7 ug/L	10	ug/L	50.0	ug/L	75.4	40-140		
Benzene	49.6 ug/L	1	ug/L	50.0	ug/L	99.1	80-120		
Bromobenzene	50.7 ug/L	1	ug/L	50.0	ug/L	101	75-125		
Bromochloromethane	43.5 ug/L	1	ug/L	50.0	ug/L	86.9	65-130		



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Batch BHA0924 - SW5030B-MS

LCS (BHA0924-BS1)

Prepared & Analyzed: 01/26/2024

Bromodichloromethane	49.7 ug/L	0.5	ug/L	50.0	ug/L	99.4	75-120			
Bromoform	55.2 ug/L	1	ug/L	50.0	ug/L	110	70-130			
Bromomethane	54.6 ug/L	1	ug/L	50.0	ug/L	109	30-145			
Carbon disulfide	38.3 ug/L	10	ug/L	50.0	ug/L	76.5	35-160			
Carbon tetrachloride	51.4 ug/L	1	ug/L	50.0	ug/L	103	65-140			
Chlorobenzene	49.9 ug/L	1	ug/L	50.0	ug/L	99.7	80-120			
Chloroethane	57.7 ug/L	1	ug/L	50.0	ug/L	115	60-135			
Chloroform	42.2 ug/L	0.5	ug/L	50.0	ug/L	84.5	65-135			
Chloromethane	77.6 ug/L	1	ug/L	50.0	ug/L	155	40-125			L
cis-1,2-Dichloroethylene	45.1 ug/L	1	ug/L	50.0	ug/L	90.2	70-125			
cis-1,3-Dichloropropene	56.3 ug/L	1	ug/L	50.0	ug/L	113	70-130			
Dibromochloromethane	54.7 ug/L	0.5	ug/L	50.0	ug/L	109	60-135			
Dibromomethane	48.1 ug/L	1	ug/L	50.0	ug/L	96.2	75-125			
Dichlorodifluoromethane	108 ug/L	1	ug/L	50.0	ug/L	216	30-155			L
Ethylbenzene	50.5 ug/L	1	ug/L	50.0	ug/L	101	75-125			
Hexachlorobutadiene	43.1 ug/L	0.8	ug/L	50.0	ug/L	86.2	50-140			
Isopropylbenzene	47.7 ug/L	1	ug/L	50.0	ug/L	95.4	75-125			
m+p-Xylenes	97.5 ug/L	2	ug/L	100	ug/L	97.5	75-130			
Methylene chloride	46.0 ug/L	4	ug/L	50.0	ug/L	91.9	55-140			
Methyl-t-butyl ether (MTBE)	44.1 ug/L	1	ug/L	50.0	ug/L	88.1	65-125			
Naphthalene	46.0 ug/L	1	ug/L	50.0	ug/L	91.9	55-140			
n-Butylbenzene	51.8 ug/L	1	ug/L	50.0	ug/L	104	70-135			
n-Propylbenzene	54.5 ug/L	1	ug/L	50.0	ug/L	109	70-130			
o-Xylene	50.2 ug/L	1	ug/L	50.0	ug/L	100	80-120			
sec-Butylbenzene	53.9 ug/L	1	ug/L	50.0	ug/L	108	70-125			
Styrene	52.5 ug/L	1	ug/L	50.0	ug/L	105	65-135			
tert-Butylbenzene	52.8 ug/L	1	ug/L	50.0	ug/L	106	70-130			
Tetrachloroethylene (PCE)	47.0 ug/L	1	ug/L	50.0	ug/L	94.0	45-150			
Toluene	47.6 ug/L	1	ug/L	50.0	ug/L	95.1	75-120			
trans-1,2-Dichloroethylene	44.7 ug/L	1	ug/L	50.0	ug/L	89.3	60-140			
trans-1,3-Dichloropropene	62.4 ug/L	1	ug/L	50.0	ug/L	125	55-140			



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Certificate of Analysis

Final Report

Client Name: APEX Companies, LLC. -Richmond
203 Wylderose Court
Midlothian VA, 23113
Submitted To: Michael May
Client Site I.D.: Laurinburg Phase II

Date Issued: February 07, 2024 16:56
Project Number: 23012618
Purchase Order:

Volatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Qual
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Batch BHA0924 - SW5030B-MS

LCS (BHA0924-BS1)

Prepared & Analyzed: 01/26/2024

Trichloroethylene	48.5 ug/L	1	ug/L	50.0	ug/L	97.1	70-125		
Trichlorofluoromethane	55.0 ug/L	1	ug/L	50.0	ug/L	110	60-145		
Vinyl chloride	79.2 ug/L	0.5	ug/L	50.0	ug/L	158	50-145		L
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Surr: 1,2-Dichloroethane-d4 (Surr)	44.4		ug/L	50.0	ug/L	88.9	70-120		
Surr: 4-Bromofluorobenzene (Surr)	50.3		ug/L	50.0	ug/L	101	75-120		
Surr: Dibromofluoromethane (Surr)	43.6		ug/L	50.0	ug/L	87.2	70-130		
Surr: Toluene-d8 (Surr)	50.4		ug/L	50.0	ug/L	101	70-130		

Matrix Spike (BHA0924-MS1)

Source: 24A1420-01

Prepared & Analyzed: 01/26/2024

1,1,1,2-Tetrachloroethane	52.5 ug/L	0.4	ug/L	50.0	<0.4 ug/L	105	80-130		
1,1,1-Trichloroethane	49.2 ug/L	1	ug/L	50.0	<1 ug/L	98.4	65-130		
1,1,2,2-Tetrachloroethane	51.3 ug/L	0.4	ug/L	50.0	<0.4 ug/L	103	65-130		
1,1,2-Trichloroethane	54.3 ug/L	1	ug/L	50.0	<1 ug/L	109	75-125		
1,1-Dichloroethane	42.6 ug/L	1	ug/L	50.0	<1 ug/L	85.3	70-135		
1,1-Dichloroethylene	43.0 ug/L	1	ug/L	50.0	<1 ug/L	86.0	50-145		
1,1-Dichloropropene	42.7 ug/L	1	ug/L	50.0	<1 ug/L	85.3	75-135		
1,2,3-Trichlorobenzene	48.1 ug/L	1	ug/L	50.0	<1 ug/L	96.2	55-140		
1,2,3-Trichloropropane	47.7 ug/L	1	ug/L	50.0	<1 ug/L	95.4	75-125		
1,2,4-Trichlorobenzene	48.7 ug/L	1	ug/L	50.0	<1 ug/L	97.4	65-135		
1,2,4-Trimethylbenzene	52.8 ug/L	1	ug/L	50.0	<1 ug/L	106	75-130		
1,2-Dibromo-3-chloropropane (DBCP)	47.5 ug/L	1	ug/L	50.0	<1 ug/L	95.0	50-130		
1,2-Dibromoethane (EDB)	54.9 ug/L	1	ug/L	50.0	<1 ug/L	110	80-120		
1,2-Dichlorobenzene	50.2 ug/L	0.5	ug/L	50.0	<0.5 ug/L	100	70-120		
1,2-Dichloroethane	45.5 ug/L	1	ug/L	50.0	<1 ug/L	91.0	70-130		
1,2-Dichloropropane	47.7 ug/L	0.5	ug/L	50.0	<0.5 ug/L	95.3	75-125		
1,3,5-Trimethylbenzene	53.8 ug/L	1	ug/L	50.0	<1 ug/L	108	75-124		
1,3-Dichlorobenzene	52.7 ug/L	1	ug/L	50.0	<1 ug/L	105	75-125		
1,3-Dichloropropane	52.7 ug/L	1	ug/L	50.0	<1 ug/L	105	75-125		
1,4-Dichlorobenzene	50.5 ug/L	1	ug/L	50.0	<1 ug/L	101	75-125		
2,2-Dichloropropane	42.9 ug/L	1	ug/L	50.0	<1 ug/L	85.9	70-135		
2-Butanone (MEK)	37.2 ug/L	10	ug/L	50.0	<10 ug/L	72.9	30-150		
2-Chlorotoluene	54.8 ug/L	1	ug/L	50.0	<1 ug/L	110	75-125		



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Volatile Organic Compounds by GCMS - Quality Control

Enthalpy Analytical

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Qual
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Batch BHA0924 - SW5030B-MS

Matrix Spike (BHA0924-MS1)

Source: 24A1420-01

Prepared & Analyzed: 01/26/2024

2-Hexanone (MBK)	50.0 ug/L	5	ug/L	50.0	<5 ug/L	100	55-130	
4-Chlorotoluene	54.7 ug/L	1	ug/L	50.0	<1 ug/L	109	75-130	
4-Isopropyltoluene	53.9 ug/L	1	ug/L	50.0	<1 ug/L	108	75-130	
4-Methyl-2-pentanone (MIBK)	49.3 ug/L	5	ug/L	50.0	<5 ug/L	98.6	60-135	
Acetone	31.1 ug/L	10	ug/L	50.0	<10 ug/L	56.8	40-140	
Benzene	48.8 ug/L	1	ug/L	50.0	<1 ug/L	97.7	80-120	
Bromobenzene	51.0 ug/L	1	ug/L	50.0	<1 ug/L	102	75-125	
Bromochloromethane	40.2 ug/L	1	ug/L	50.0	<1 ug/L	80.4	65-130	
Bromodichloromethane	52.7 ug/L	0.5	ug/L	50.0	<0.5 ug/L	105	75-136	
Bromoform	55.6 ug/L	1	ug/L	50.0	<1 ug/L	111	70-130	
Bromomethane	43.6 ug/L	1	ug/L	50.0	<1 ug/L	87.3	30-145	
Carbon disulfide	33.9 ug/L	10	ug/L	50.0	<10 ug/L	67.9	35-160	
Carbon tetrachloride	54.9 ug/L	1	ug/L	50.0	<1 ug/L	110	65-140	
Chlorobenzene	50.6 ug/L	1	ug/L	50.0	<1 ug/L	101	80-120	
Chloroethane	45.3 ug/L	1	ug/L	50.0	<1 ug/L	90.6	60-135	
Chloroform	39.4 ug/L	0.5	ug/L	50.0	<0.5 ug/L	78.9	65-135	
Chloromethane	51.8 ug/L	1	ug/L	50.0	<1 ug/L	104	40-125	
cis-1,2-Dichloroethylene	41.9 ug/L	1	ug/L	50.0	<1 ug/L	83.9	70-125	
cis-1,3-Dichloropropene	52.0 ug/L	1	ug/L	50.0	<1 ug/L	104	47-136	
Dibromochloromethane	60.4 ug/L	0.5	ug/L	50.0	<0.5 ug/L	121	60-135	
Dibromomethane	51.2 ug/L	1	ug/L	50.0	<1 ug/L	102	75-125	
Dichlorodifluoromethane	95.8 ug/L	1	ug/L	50.0	<1 ug/L	192	30-155	M
Ethylbenzene	51.1 ug/L	1	ug/L	50.0	<1 ug/L	102	75-125	
Hexachlorobutadiene	45.1 ug/L	0.8	ug/L	50.0	<0.8 ug/L	90.3	50-140	
Isopropylbenzene	47.6 ug/L	1	ug/L	50.0	<1 ug/L	95.3	75-125	
m+p-Xylenes	98.7 ug/L	2	ug/L	100	<2 ug/L	98.7	75-130	
Methylene chloride	41.6 ug/L	4	ug/L	50.0	<4 ug/L	82.0	55-140	
Methyl-t-butyl ether (MTBE)	41.5 ug/L	1	ug/L	50.0	<1 ug/L	83.1	65-125	
Naphthalene	47.9 ug/L	1	ug/L	50.0	<1 ug/L	95.9	55-140	
n-Butylbenzene	53.1 ug/L	1	ug/L	50.0	<1 ug/L	106	70-135	
n-Propylbenzene	55.2 ug/L	1	ug/L	50.0	<1 ug/L	110	70-130	



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Enthalpy Analytical

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Qual
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Batch BHA0924 - SW5030B-MS

Matrix Spike (BHA0924-MS1)

Source: 24A1420-01

Prepared & Analyzed: 01/26/2024

o-Xylene	50.8 ug/L	1	ug/L	50.0	<1 ug/L	102	80-120		
sec-Butylbenzene	55.5 ug/L	1	ug/L	50.0	<1 ug/L	111	70-125		
Styrene	52.8 ug/L	1	ug/L	50.0	<1 ug/L	106	65-135		
tert-Butylbenzene	53.8 ug/L	1	ug/L	50.0	<1 ug/L	108	70-130		
Tetrachloroethylene (PCE)	50.1 ug/L	1	ug/L	50.0	<1 ug/L	100	51-231		
Toluene	49.4 ug/L	1	ug/L	50.0	<1 ug/L	98.8	75-120		
trans-1,2-Dichloroethylene	41.6 ug/L	1	ug/L	50.0	<1 ug/L	83.2	60-140		
trans-1,3-Dichloropropene	59.2 ug/L	1	ug/L	50.0	<1 ug/L	118	55-140		
Trichloroethylene	49.3 ug/L	1	ug/L	50.0	<1 ug/L	98.7	70-125		
Trichlorofluoromethane	48.1 ug/L	1	ug/L	50.0	<1 ug/L	96.3	60-145		
Vinyl chloride	45.7 ug/L	0.5	ug/L	50.0	<0.5 ug/L	91.4	50-145		
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Surr: 1,2-Dichloroethane-d4 (Surr)	45.7		ug/L	50.0	ug/L	91.4	70-120		
Surr: 4-Bromofluorobenzene (Surr)	49.6		ug/L	50.0	ug/L	99.3	75-120		
Surr: Dibromofluoromethane (Surr)	40.5		ug/L	50.0	ug/L	81.0	70-130		
Surr: Toluene-d8 (Surr)	51.7		ug/L	50.0	ug/L	103	70-130		

Matrix Spike Dup (BHA0924-MSD1)

Source: 24A1420-01

Prepared & Analyzed: 01/26/2024

1,1,1,2-Tetrachloroethane	51.7 ug/L	0.4	ug/L	50.0	<0.4 ug/L	103	80-130	1.65	30
1,1,1-Trichloroethane	44.9 ug/L	1	ug/L	50.0	<1 ug/L	89.7	65-130	9.23	30
1,1,2,2-Tetrachloroethane	51.3 ug/L	0.4	ug/L	50.0	<0.4 ug/L	103	65-130	0.0195	30
1,1,2-Trichloroethane	52.2 ug/L	1	ug/L	50.0	<1 ug/L	104	75-125	3.96	30
1,1-Dichloroethane	44.8 ug/L	1	ug/L	50.0	<1 ug/L	89.7	70-135	5.05	30
1,1-Dichloroethylene	45.2 ug/L	1	ug/L	50.0	<1 ug/L	90.4	50-145	4.99	30
1,1-Dichloropropene	43.8 ug/L	1	ug/L	50.0	<1 ug/L	87.6	75-135	2.59	30
1,2,3-Trichlorobenzene	46.1 ug/L	1	ug/L	50.0	<1 ug/L	92.2	55-140	4.27	30
1,2,3-Trichloropropane	48.3 ug/L	1	ug/L	50.0	<1 ug/L	96.7	75-125	1.33	30
1,2,4-Trichlorobenzene	46.8 ug/L	1	ug/L	50.0	<1 ug/L	93.6	65-135	4.04	30
1,2,4-Trimethylbenzene	51.0 ug/L	1	ug/L	50.0	<1 ug/L	102	75-130	3.55	30
1,2-Dibromo-3-chloropropane (DBCP)	45.5 ug/L	1	ug/L	50.0	<1 ug/L	91.0	50-130	4.24	30
1,2-Dibromoethane (EDB)	49.6 ug/L	1	ug/L	50.0	<1 ug/L	99.3	80-120	10.1	30
1,2-Dichlorobenzene	49.5 ug/L	0.5	ug/L	50.0	<0.5 ug/L	99.0	70-120	1.38	30
1,2-Dichloroethane	40.4 ug/L	1	ug/L	50.0	<1 ug/L	80.9	70-130	11.8	30



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Enthalpy Analytical

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
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Batch BHA0924 - SW5030B-MS

Matrix Spike Dup (BHA0924-MSD1)

Source: 24A1420-01

Prepared & Analyzed: 01/26/2024

1,2-Dichloropropane	48.4 ug/L	0.5	ug/L	50.0	<0.5 ug/L	96.8	75-125	1.54	30	
1,3,5-Trimethylbenzene	52.2 ug/L	1	ug/L	50.0	<1 ug/L	104	75-124	3.06	30	
1,3-Dichlorobenzene	52.3 ug/L	1	ug/L	50.0	<1 ug/L	105	75-125	0.648	30	
1,3-Dichloropropane	50.5 ug/L	1	ug/L	50.0	<1 ug/L	101	75-125	4.42	30	
1,4-Dichlorobenzene	49.9 ug/L	1	ug/L	50.0	<1 ug/L	99.7	75-125	1.26	30	
2,2-Dichloropropane	45.0 ug/L	1	ug/L	50.0	<1 ug/L	90.0	70-135	4.71	30	
2-Butanone (MEK)	40.7 ug/L	10	ug/L	50.0	<10 ug/L	80.0	30-150		30	
2-Chlorotoluene	54.1 ug/L	1	ug/L	50.0	<1 ug/L	108	75-125	1.30	30	
2-Hexanone (MBK)	48.8 ug/L	5	ug/L	50.0	<5 ug/L	97.6	55-130	2.45	30	
4-Chlorotoluene	54.1 ug/L	1	ug/L	50.0	<1 ug/L	108	75-130	1.16	30	
4-Isopropyltoluene	52.7 ug/L	1	ug/L	50.0	<1 ug/L	105	75-130	2.21	30	
4-Methyl-2-pentanone (MIBK)	49.7 ug/L	5	ug/L	50.0	<5 ug/L	99.4	60-135	0.828	30	
Acetone	35.5 ug/L	10	ug/L	50.0	<10 ug/L	65.6	40-140		30	
Benzene	49.2 ug/L	1	ug/L	50.0	<1 ug/L	98.4	80-120	0.796	30	
Bromobenzene	50.6 ug/L	1	ug/L	50.0	<1 ug/L	101	75-125	0.709	30	
Bromochloromethane	43.4 ug/L	1	ug/L	50.0	<1 ug/L	86.7	65-130	7.54	30	
Bromodichloromethane	49.9 ug/L	0.5	ug/L	50.0	<0.5 ug/L	99.9	75-136	5.34	30	
Bromoform	56.3 ug/L	1	ug/L	50.0	<1 ug/L	113	70-130	1.25	30	
Bromomethane	51.0 ug/L	1	ug/L	50.0	<1 ug/L	102	30-145	15.5	30	
Carbon disulfide	37.4 ug/L	10	ug/L	50.0	<10 ug/L	74.8	35-160		30	
Carbon tetrachloride	50.7 ug/L	1	ug/L	50.0	<1 ug/L	101	65-140	7.99	30	
Chlorobenzene	49.6 ug/L	1	ug/L	50.0	<1 ug/L	99.2	80-120	2.00	30	
Chloroethane	51.0 ug/L	1	ug/L	50.0	<1 ug/L	102	60-135	11.9	30	
Chloroform	41.6 ug/L	0.5	ug/L	50.0	<0.5 ug/L	83.2	65-135	5.28	30	
Chloromethane	77.0 ug/L	1	ug/L	50.0	<1 ug/L	154	40-125	39.2	30	M, P
cis-1,2-Dichloroethylene	44.5 ug/L	1	ug/L	50.0	<1 ug/L	89.0	70-125	5.90	30	
cis-1,3-Dichloropropene	51.0 ug/L	1	ug/L	50.0	<1 ug/L	102	47-136	1.98	30	
Dibromochloromethane	55.3 ug/L	0.5	ug/L	50.0	<0.5 ug/L	111	60-135	8.90	30	
Dibromomethane	48.1 ug/L	1	ug/L	50.0	<1 ug/L	96.1	75-125	6.33	30	
Dichlorodifluoromethane	82.0 ug/L	1	ug/L	50.0	<1 ug/L	164	30-155	15.4	30	M
Ethylbenzene	50.2 ug/L	1	ug/L	50.0	<1 ug/L	100	75-125	1.80	30	



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Batch BHA0924 - SW5030B-MS

Matrix Spike Dup (BHA0924-MSD1)

Source: 24A1420-01

Prepared & Analyzed: 01/26/2024

Hexachlorobutadiene	43.8 ug/L	0.8	ug/L	50.0	<0.8 ug/L	87.6	50-140	2.99	30	
Isopropylbenzene	47.4 ug/L	1	ug/L	50.0	<1 ug/L	94.8	75-125	0.505	30	
m+p-Xylenes	97.0 ug/L	2	ug/L	100	<2 ug/L	97.0	75-130	1.81	30	
Methylene chloride	45.0 ug/L	4	ug/L	50.0	<4 ug/L	88.8	55-140		30	
Methyl-t-butyl ether (MTBE)	43.5 ug/L	1	ug/L	50.0	<1 ug/L	86.9	65-125	4.54	30	
Naphthalene	45.9 ug/L	1	ug/L	50.0	<1 ug/L	91.8	55-140	4.30	30	
n-Butylbenzene	51.1 ug/L	1	ug/L	50.0	<1 ug/L	102	70-135	3.86	30	
n-Propylbenzene	53.9 ug/L	1	ug/L	50.0	<1 ug/L	108	70-130	2.36	30	
o-Xylene	50.2 ug/L	1	ug/L	50.0	<1 ug/L	100	80-120	1.33	30	
sec-Butylbenzene	54.4 ug/L	1	ug/L	50.0	<1 ug/L	109	70-125	1.93	30	
Styrene	52.3 ug/L	1	ug/L	50.0	<1 ug/L	105	65-135	1.05	30	
tert-Butylbenzene	53.0 ug/L	1	ug/L	50.0	<1 ug/L	106	70-130	1.40	30	
Tetrachloroethylene (PCE)	45.8 ug/L	1	ug/L	50.0	<1 ug/L	91.7	51-231	8.92	30	
Toluene	47.6 ug/L	1	ug/L	50.0	<1 ug/L	95.3	75-120	3.65	30	
trans-1,2-Dichloroethylene	43.5 ug/L	1	ug/L	50.0	<1 ug/L	87.1	60-140	4.58	30	
trans-1,3-Dichloropropene	56.4 ug/L	1	ug/L	50.0	<1 ug/L	113	55-140	4.82	30	
Trichloroethylene	48.1 ug/L	1	ug/L	50.0	<1 ug/L	96.2	70-125	2.55	30	
Trichlorofluoromethane	51.8 ug/L	1	ug/L	50.0	<1 ug/L	104	60-145	7.40	30	
Vinyl chloride	83.9 ug/L	0.5	ug/L	50.0	<0.5 ug/L	168	50-145	59.0	30	M, P
Surr: 1,2-Dichloroethane-d4 (Surr)	43.6		ug/L	50.0	ug/L	87.1	70-120			
Surr: 4-Bromofluorobenzene (Surr)	50.3		ug/L	50.0	ug/L	101	75-120			
Surr: Dibromofluoromethane (Surr)	43.0		ug/L	50.0	ug/L	86.1	70-130			
Surr: Toluene-d8 (Surr)	50.2		ug/L	50.0	ug/L	100	70-130			



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Certified Analyses included in this Report

Analyte	Certifications
SW6010D in Non-Potable Water	
Arsenic	VELAP,WVDEP
Barium	VELAP,WVDEP,PADEP
Cadmium	VELAP,WVDEP,PADEP
Chromium	VELAP,WVDEP
Lead	VELAP,WVDEP
Selenium	VELAP,WVDEP
Silver	VELAP,WVDEP,PADEP
SW6010D in Solids	
Arsenic	VELAP,WVDEP,PADEP
Barium	VELAP,WVDEP,PADEP
Cadmium	VELAP,WVDEP,PADEP
Chromium	VELAP,WVDEP,PADEP
Lead	VELAP,WVDEP,PADEP
Selenium	VELAP,WVDEP,PADEP
Silver	VELAP,WVDEP,PADEP
SW7470A in Non-Potable Water	
Mercury	VELAP,NCDEQ,WVDEP
SW7471B in Solids	
Mercury	VELAP,PADEP,NCDEQ,WVDEP
SW8260D in Non-Potable Water	
1,1,1,2-Tetrachloroethane	VELAP,NCDEQ,PADEP,WVDEP
1,1,1-Trichloroethane	VELAP,NCDEQ,PADEP,WVDEP
1,1,2,2-Tetrachloroethane	VELAP,NCDEQ,PADEP,WVDEP
1,1,2-Trichloroethane	VELAP,NCDEQ,PADEP,WVDEP
1,1-Dichloroethane	VELAP,NCDEQ,PADEP,WVDEP
1,1-Dichloroethylene	VELAP,NCDEQ,PADEP,WVDEP
1,1-Dichloropropene	VELAP,NCDEQ,PADEP,WVDEP
1,2,3-Trichlorobenzene	VELAP,NCDEQ,PADEP,WVDEP
1,2,3-Trichloropropane	VELAP,NCDEQ,PADEP,WVDEP
1,2,4-Trichlorobenzene	VELAP,NCDEQ,PADEP,WVDEP
1,2,4-Trimethylbenzene	VELAP,NCDEQ,PADEP,WVDEP
1,2-Dibromo-3-chloropropane (DBCP)	VELAP,NCDEQ,PADEP,WVDEP
1,2-Dibromoethane (EDB)	VELAP,NCDEQ,PADEP,WVDEP
1,2-Dichlorobenzene	VELAP,NCDEQ,PADEP,WVDEP
1,2-Dichloroethane	VELAP,NCDEQ,PADEP,WVDEP
1,2-Dichloropropane	VELAP,NCDEQ,PADEP,WVDEP



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Certificate of Analysis

Final Report

Client Name: APEX Companies, LLC. -Richmond
203 Wylderose Court
Midlothian VA, 23113
Submitted To: Michael May
Client Site I.D.: Laurinburg Phase II

Date Issued: February 07, 2024 16:56
Project Number: 23012618
Purchase Order:

Certified Analyses included in this Report

Analyte	Certifications
1,3,5-Trimethylbenzene	VELAP,NCDEQ,PADEP,WVDEP
1,3-Dichlorobenzene	VELAP,NCDEQ,PADEP,WVDEP
1,3-Dichloropropane	VELAP,NCDEQ,PADEP,WVDEP
1,4-Dichlorobenzene	VELAP,NCDEQ,PADEP,WVDEP
2,2-Dichloropropane	VELAP,NCDEQ,PADEP,WVDEP
2-Butanone (MEK)	VELAP,NCDEQ,PADEP,WVDEP
2-Chlorotoluene	VELAP,NCDEQ,PADEP,WVDEP
2-Hexanone (MBK)	VELAP,NCDEQ,PADEP,WVDEP
4-Chlorotoluene	VELAP,NCDEQ,PADEP,WVDEP
4-Isopropyltoluene	VELAP,NCDEQ,PADEP,WVDEP
4-Methyl-2-pentanone (MIBK)	VELAP,NCDEQ,PADEP,WVDEP
Acetone	VELAP,NCDEQ,PADEP,WVDEP
Benzene	VELAP,NCDEQ,PADEP,WVDEP
Bromobenzene	VELAP,NCDEQ,PADEP,WVDEP
Bromochloromethane	VELAP,NCDEQ,PADEP,WVDEP
Bromodichloromethane	VELAP,NCDEQ,PADEP,WVDEP
Bromoform	VELAP,NCDEQ,PADEP,WVDEP
Bromomethane	VELAP,NCDEQ,PADEP,WVDEP
Carbon disulfide	VELAP,NCDEQ,PADEP,WVDEP
Carbon tetrachloride	VELAP,NCDEQ,PADEP,WVDEP
Chlorobenzene	VELAP,NCDEQ,PADEP,WVDEP
Chloroethane	VELAP,NCDEQ,PADEP,WVDEP
Chloroform	VELAP,NCDEQ,PADEP,WVDEP
Chloromethane	VELAP,NCDEQ,PADEP,WVDEP
cis-1,2-Dichloroethylene	VELAP,NCDEQ,PADEP,WVDEP
cis-1,3-Dichloropropene	VELAP,NCDEQ,PADEP,WVDEP
Dibromochloromethane	VELAP,NCDEQ,PADEP,WVDEP
Dibromomethane	VELAP,NCDEQ,PADEP,WVDEP
Dichlorodifluoromethane	VELAP,NCDEQ,PADEP,WVDEP
Di-isopropyl ether (DIPE)	VELAP,NCDEQ,PADEP,WVDEP
Ethylbenzene	VELAP,NCDEQ,PADEP,WVDEP
Hexachlorobutadiene	VELAP,NCDEQ,PADEP,WVDEP
Iodomethane	VELAP,NCDEQ,PADEP,WVDEP
Isopropylbenzene	VELAP,NCDEQ,PADEP,WVDEP
m+p-Xylenes	VELAP,NCDEQ,PADEP,WVDEP
Methylene chloride	VELAP,NCDEQ,PADEP,WVDEP
Methyl-t-butyl ether (MTBE)	VELAP,NCDEQ,PADEP,WVDEP
Naphthalene	VELAP,NCDEQ,PADEP,WVDEP



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Analyte	Certifications
n-Butylbenzene	VELAP,NCDEQ,PADEP,WVDEP
n-Propylbenzene	VELAP,NCDEQ,PADEP,WVDEP
o-Xylene	VELAP,NCDEQ,PADEP,WVDEP
sec-Butylbenzene	VELAP,NCDEQ,PADEP,WVDEP
Styrene	VELAP,NCDEQ,PADEP,WVDEP
tert-Butylbenzene	VELAP,NCDEQ,PADEP,WVDEP
Tetrachloroethylene (PCE)	VELAP,NCDEQ,PADEP,WVDEP
Toluene	VELAP,NCDEQ,PADEP,WVDEP
trans-1,2-Dichloroethylene	VELAP,NCDEQ,PADEP,WVDEP
trans-1,3-Dichloropropene	VELAP,NCDEQ,PADEP,WVDEP
Trichloroethylene	VELAP,NCDEQ,PADEP,WVDEP
Trichlorofluoromethane	VELAP,NCDEQ,PADEP,WVDEP
Vinyl acetate	VELAP,NCDEQ,PADEP,WVDEP
Vinyl chloride	VELAP,NCDEQ,PADEP,WVDEP
Xylenes, Total	VELAP,NCDEQ,PADEP,WVDEP
SW8260D in Solids	
1,1,1,2-Tetrachloroethane	VELAP,PADEP,NCDEQ,WVDEP
1,1,1-Trichloroethane	VELAP,PADEP,NCDEQ,WVDEP
1,1,2,2-Tetrachloroethane	VELAP,PADEP,NCDEQ,WVDEP
1,1,2-Trichloroethane	VELAP,PADEP,NCDEQ,WVDEP
1,1-Dichloroethane	VELAP,PADEP,NCDEQ,WVDEP
1,1-Dichloroethylene	VELAP,PADEP,NCDEQ,WVDEP
1,1-Dichloropropene	VELAP,PADEP,NCDEQ,WVDEP
1,2,3-Trichlorobenzene	VELAP,PADEP,NCDEQ,WVDEP
1,2,3-Trichloropropane	VELAP,PADEP,NCDEQ,WVDEP
1,2,4-Trichlorobenzene	VELAP,PADEP,NCDEQ,WVDEP
1,2,4-Trimethylbenzene	VELAP,PADEP,NCDEQ,WVDEP
1,2-Dibromo-3-chloropropane (DBCP)	VELAP,PADEP,NCDEQ,WVDEP
1,2-Dibromoethane (EDB)	VELAP,PADEP,NCDEQ,WVDEP
1,2-Dichlorobenzene	VELAP,PADEP,NCDEQ,WVDEP
1,2-Dichloroethane	VELAP,PADEP,NCDEQ,WVDEP
1,2-Dichloropropane	VELAP,PADEP,NCDEQ,WVDEP
1,3,5-Trimethylbenzene	VELAP,PADEP,NCDEQ,WVDEP
1,3-Dichlorobenzene	VELAP,PADEP,NCDEQ,WVDEP
1,3-Dichloropropane	VELAP,PADEP,NCDEQ,WVDEP
1,4-Dichlorobenzene	VELAP,PADEP,NCDEQ,WVDEP
2,2-Dichloropropane	VELAP,PADEP,NCDEQ,WVDEP
2-Butanone (MEK)	VELAP,PADEP,NCDEQ,WVDEP



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Analyte	Certifications
2-Chlorotoluene	VELAP,PADEP,NCDEQ,WVDEP
2-Hexanone (MBK)	VELAP,PADEP,NCDEQ,WVDEP
4-Chlorotoluene	VELAP,PADEP,NCDEQ,WVDEP
4-Isopropyltoluene	VELAP,PADEP,NCDEQ,WVDEP
4-Methyl-2-pentanone (MIBK)	VELAP,PADEP,NCDEQ,WVDEP
Acetone	VELAP,PADEP,NCDEQ,WVDEP
Benzene	VELAP,PADEP,NCDEQ,WVDEP
Bromobenzene	VELAP,PADEP,NCDEQ,WVDEP
Bromochloromethane	VELAP,PADEP,NCDEQ,WVDEP
Bromodichloromethane	VELAP,PADEP,NCDEQ,WVDEP
Bromoform	VELAP,PADEP,NCDEQ,WVDEP
Bromomethane	VELAP,PADEP,NCDEQ,WVDEP
Carbon disulfide	VELAP,PADEP,NCDEQ,WVDEP
Carbon tetrachloride	VELAP,PADEP,NCDEQ,WVDEP
Chlorobenzene	VELAP,PADEP,NCDEQ,WVDEP
Chloroethane	VELAP,PADEP,NCDEQ,WVDEP
Chloroform	VELAP,PADEP,NCDEQ,WVDEP
Chloromethane	VELAP,PADEP,NCDEQ,WVDEP
cis-1,2-Dichloroethylene	VELAP,PADEP,NCDEQ,WVDEP
cis-1,3-Dichloropropene	VELAP,PADEP,NCDEQ,WVDEP
Dibromochloromethane	VELAP,PADEP,NCDEQ,WVDEP
Dibromomethane	VELAP,PADEP,NCDEQ,WVDEP
Dichlorodifluoromethane	VELAP,PADEP,NCDEQ,WVDEP
Di-isopropyl ether (DIPE)	VELAP,PADEP,NCDEQ,WVDEP
Ethylbenzene	VELAP,PADEP,NCDEQ,WVDEP
Hexachlorobutadiene	VELAP,PADEP,NCDEQ,WVDEP
Iodomethane	VELAP,PADEP,NCDEQ,WVDEP
Isopropylbenzene	VELAP,PADEP,NCDEQ,WVDEP
m+p-Xylenes	VELAP,PADEP,NCDEQ,WVDEP
Methylene chloride	VELAP,PADEP,NCDEQ,WVDEP
Methyl-t-butyl ether (MTBE)	VELAP,PADEP,NCDEQ,WVDEP
Naphthalene	VELAP,PADEP,NCDEQ,WVDEP
n-Butylbenzene	VELAP,PADEP,NCDEQ,WVDEP
n-Propylbenzene	VELAP,PADEP,NCDEQ,WVDEP
o-Xylene	VELAP,PADEP,NCDEQ,WVDEP
sec-Butylbenzene	VELAP,PADEP,NCDEQ,WVDEP
Styrene	VELAP,PADEP,NCDEQ,WVDEP
tert-Butylbenzene	VELAP,PADEP,NCDEQ,WVDEP



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Analyte	Certifications
Tetrachloroethylene (PCE)	VELAP,PADEP,NCDEQ,WVDEP
Toluene	VELAP,PADEP,NCDEQ,WVDEP
trans-1,2-Dichloroethylene	VELAP,PADEP,NCDEQ,WVDEP
trans-1,3-Dichloropropene	VELAP,PADEP,NCDEQ,WVDEP
Trichloroethylene	VELAP,PADEP,NCDEQ,WVDEP
Trichlorofluoromethane	VELAP,PADEP,NCDEQ,WVDEP
Vinyl acetate	VELAP,PADEP,NCDEQ,WVDEP
Vinyl chloride	VELAP,PADEP,NCDEQ,WVDEP
Xylenes, Total	VELAP,PADEP,NCDEQ,WVDEP
Dibromofluoromethane (Surr)	VELAP

Code	Description	Laboratory ID	Expires
MdDOE	Maryland DE Drinking Water	341	12/31/2024
NCDEQ	North Carolina DEQ	495	12/31/2024
NCDOH	North Carolina Department of Health	51714	07/31/2024
NYDOH	New York DOH Drinking Water	12069	04/01/2024
PADEP	NELAP-Pennsylvania Certificate #009	68-03503	10/31/2024
SCDHEC	South Carolina Dept of Health and Environmental	93016	06/14/2024
TXCEQ	Texas Comm on Environmental Quality #T104704	T104704576	05/31/2024
VELAP	NELAP-Virginia Certificate #12617	460021	06/14/2024
WVDEP	West Virginia DEP	350	11/30/2024



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Summary of Data Qualifiers

C	Continuing calibration verification response for this analyte is outside specifications.
E	Estimated concentration, outside calibration range
L	LCS recovery is outside of established acceptance limits
M	Matrix spike recovery is outside established acceptance limits
M2	Sample was diluted due to matrix interference.
P	Duplicate analysis does not meet the acceptance criteria for precision
RPD	Relative Percent Difference
Qual	Qualifiers
-RE	Denotes sample was re-analyzed
D.F.	Dilution Factor. Please also see the Preparation Factor in the Analysis Summary section.
TIC	Tentatively Identified Compounds are compounds that are identified by comparing the analyte mass spectral pattern with the NIST spectral library. A TIC spectral match is reported when the pattern is at least 75% consistent with the published pattern. Compound concentrations are estimated and are calculated using an internal standard response factor of 1.
PCBs, Total	Total PCBs are defined as the sum of detected Aroclors 1016, 1221, 1232, 1248, 1254, 1260, 1262, and 1268.



Apex Companies, LLC
203 Wylderose Court
Midlothian, VA 23113
(804) 897-2718

CHAIN OF CUSTODY RECORD

JOB NO.		JOB NAME		PROJECT MANAGER		PARAMETERS										TURN - AROUND TIME		
23012618		Laurinburg Phase I		Michael May		NO. OF CONTAINERS RCRA Metals 6010 VOCs 8260D										STD.		
SAMPLER(S): (Signature(s))		(Printed)		(Printed)												REMARKS		
SAMPLE ID	DATE	TIME	COMP.	GRAB	MATRIX	PRES.	STATION / LOCATION											
122242618-1	1-10-24	1110		X	GL	Hcl	SB Trip Blank	2		X								
122242618-2	1-22-24	1040		X	GL	Hcl	SB-1	4	X	X								
122242618-3	1-22-24	1205		X	GL	Hcl	SB-3	4	X	X								
122242618-4	1-22-24	1235		X	GL	Hcl	SB-4	4	X	X								
122242618-5	1-22-24	1255		X	GL	Hcl	SB-5	4	X	X								
122242618-6	1-22-24	1030		X	S	NP	SB-1-1	1	X	X								4' BGS
122242618-7	1-22-24	1155		X	S	NP	SB-3-5	1	X	X								20' BGS
122242618-8	1-22-24	1305		X	S	NP	SB-5-1	1	X	X								2' BGS
								APEX-Richmond 24A1441										
								Laurinburg Phase II										
								Recd: 01/24/2024 Due: 02/07/2024										
								v130325002										
								TOTALS										
								21 7 8										
Relinquished by: (Signature)		Date/Time		Received by: (Signature)		Relinquished by: (Signature)		Date/Time		Received by: (Signature)		Date/Time		Received by: (Signature)				
① [Signature]		1-23-24		② [Signature]		③ [Signature]		1/24/24		④ [Signature]		1/24/24		⑤ [Signature]				
(Printed)		700		(Printed)		(Printed)		1346		(Printed)		1346		(Printed)				
Relinquished by: (Signature)		Date/Time		Received by: (Signature)		Remarks												
⑤ [Signature]				⑥ [Signature]														
(Printed)				(Printed)														

Distribution: WHITE => original (accompanies samples; returned with results) : YELLOW => sampler's copy

Order ID 24A1441

Analyst Performing Check: HEO

NaOH ID: _____ HNO₃ ID: 3603050 CrVI preserved date/time: _____ Analyst Initials: _____
 * pH must be adjusted between 9.3 - 9.7
 H₂SO₄ ID: _____ Na₂S₂O₃ ID: _____ Ammonia Buffer Sol'n ID: _____
 HCL ID: _____ Na₂SO₃ ID: _____ 5N NaOH ID: _____

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Submitted To:	Michael May	Project Number:	23012618
Client Site I.D.:	Laurinburg Phase II	Purchase Order:	

Sample Conditions Checklist

Samples Received at:	3.60°C
How were samples received?	Walk In
Were Custody Seals used? If so, were they received intact?	No
Are the custody papers filled out completely and correctly?	Yes
Do all bottle labels agree with custody papers?	Yes
Is the temperature blank or representative sample within acceptable limits or received on ice, and recently taken?	Yes
Are all samples within holding time for requested laboratory tests?	Yes
Is a sufficient amount of sample provided to perform the tests included?	Yes
Are all samples in appropriate containers for the analyses requested?	Yes
Were volatile organic containers received?	Yes
Are all volatile organic and TOX containers free of headspace?	Yes
Is a trip blank provided for each VOC sample set? VOC sample sets include EPA8011, EPA504, EPA8260, EPA624, EPA8015 GRO, EPA8021, EPA524, and RSK-175.	Yes
Are all samples received appropriately preserved? Note that metals containers do not require field preservation but lab preservation may delay analysis. In addition, field parameters are always received outside holding time and will be marked accordingly.	Yes

Apex Companies, LLC - Richmond, VA

Sample Delivery Group: L1698927
Samples Received: 01/25/2024
Project Number:
Description: Laurinburg Phase II

Report To: Michael May
203 Wylderose Court
Midlothian, VA 23113

Entire Report Reviewed By:



Heather J Wagner
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.

Pace Analytical National12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

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Sc: Sample Chain of Custody	15	⁸ Al
		⁹ Sc

SAMPLE SUMMARY

SG-1 L1698927-01 Air

Collected by	Collected date/time	Received date/time
Jacob Wenzel	01/22/24 14:00	01/25/24 09:30

Collected date/time	Received date/time
01/22/24 14:00	01/25/24 09:30

Received date/time
01/25/24 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2213908	1	01/26/24 19:08	01/26/24 19:08	DAH	Mt. Juliet, TN

¹Cp

 ${}^2\text{Tc}$ 3S_s ${}^4\text{Cn}$ ${}^5\text{Sr}$ ${}^6\text{Qc}$ ${}^7\text{Gf}$ ${}^8\text{Al}$ ${}^9\text{Sc}$

SG-2 L1698927-02 Air

Collected by	Collected date/time	Received date/time
Jacob Wenzel	01/22/24 14:00	01/25/24 09:30

Collected date/time	Received date/time
01/22/24 14:00	01/25/24 09:30

Received date/time
01/25/24 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG2213908	1	01/26/24 19:36	01/26/24 19:36	DAH	Mt. Juliet, TN

CASE NARRATIVE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.



Heather J Wagner
Project Manager

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	5.75	13.7		1	WG2213908
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2213908
Benzene	71-43-2	78.10	0.200	0.639	0.577	1.84		1	WG2213908
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2213908
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2213908
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2213908
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2213908
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2213908
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2213908
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2213908
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2213908
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2213908
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2213908
Chloromethane	74-87-3	50.50	0.200	0.413	0.232	0.479		1	WG2213908
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2213908
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2213908
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2213908
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2213908
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2213908
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2213908
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2213908
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2213908
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2213908
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2213908
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2213908
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2213908
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2213908
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2213908
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2213908
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2213908
Ethanol	64-17-5	46.10	2.50	4.71	ND	ND		1	WG2213908
Ethylbenzene	100-41-4	106	0.200	0.867	1.17	5.07		1	WG2213908
4-Ethyltoluene	622-96-8	120	0.200	0.982	0.201	0.987		1	WG2213908
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.228	1.28		1	WG2213908
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.445	2.20		1	WG2213908
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2213908
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2213908
Heptane	142-82-5	100	0.200	0.818	1.10	4.50		1	WG2213908
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2213908
n-Hexane	110-54-3	86.20	0.630	2.22	1.23	4.34		1	WG2213908
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG2213908
Methylene Chloride	75-09-2	84.90	0.200	0.694	7.58	26.3		1	WG2213908
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2213908
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2213908
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2213908
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2213908
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2213908
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2213908
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG2213908
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2213908
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2213908
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2213908
Tetrachloroethylene	127-18-4	166	0.200	1.36	37.5	255		1	WG2213908
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2213908
Toluene	108-88-3	92.10	0.500	1.88	8.70	32.8		1	WG2213908
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2213908

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2213908
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2213908
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2213908
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	0.661	3.24		1	WG2213908
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	0.313	1.54		1	WG2213908
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	1.02	4.77		1	WG2213908
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2213908
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2213908
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2213908
Xylenes, Total	1330-20-7	106.16	0.600	2.61	4.79	20.8		1	WG2213908
m&p-Xylene	179601-23-1	106	0.400	1.73	3.56	15.4		1	WG2213908
o-Xylene	95-47-6	106	0.200	0.867	1.23	5.33		1	WG2213908
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		97.9				WG2213908

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	15.8	37.5		1	WG2213908
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG2213908
Benzene	71-43-2	78.10	0.200	0.639	0.627	2.00		1	WG2213908
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG2213908
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG2213908
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG2213908
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG2213908
1,3-Butadiene	106-99-0	54.10	2.00	4.43	ND	ND		1	WG2213908
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG2213908
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG2213908
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG2213908
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG2213908
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG2213908
Chloromethane	74-87-3	50.50	0.200	0.413	ND	ND		1	WG2213908
2-Chlorotoluene	95-49-8	126	0.200	1.03	ND	ND		1	WG2213908
Cyclohexane	110-82-7	84.20	0.200	0.689	ND	ND		1	WG2213908
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG2213908
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG2213908
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG2213908
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG2213908
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG2213908
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG2213908
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG2213908
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG2213908
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG2213908
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG2213908
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG2213908
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG2213908
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG2213908
1,4-Dioxane	123-91-1	88.10	0.630	2.27	ND	ND		1	WG2213908
Ethanol	64-17-5	46.10	2.50	4.71	3.96	7.47	B	1	WG2213908
Ethylbenzene	100-41-4	106	0.200	0.867	2.53	11.0		1	WG2213908
4-Ethyltoluene	622-96-8	120	0.200	0.982	0.831	4.08		1	WG2213908
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.218	1.23		1	WG2213908
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.492	2.43		1	WG2213908
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.200	1.53	ND	ND		1	WG2213908
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.200	1.40	ND	ND		1	WG2213908
Heptane	142-82-5	100	0.200	0.818	1.08	4.42		1	WG2213908
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG2213908
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG2213908
Isopropylbenzene	98-82-8	120.20	0.200	0.983	0.258	1.27		1	WG2213908
Methylene Chloride	75-09-2	84.90	0.200	0.694	ND	ND		1	WG2213908
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG2213908
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG2213908
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG2213908
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG2213908
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG2213908
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG2213908
2-Propanol	67-63-0	60.10	1.25	3.07	ND	ND		1	WG2213908
Propene	115-07-1	42.10	1.25	2.15	ND	ND		1	WG2213908
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG2213908
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG2213908
Tetrachloroethylene	127-18-4	166	0.200	1.36	49.8	338		1	WG2213908
Tetrahydrofuran	109-99-9	72.10	0.200	0.590	ND	ND		1	WG2213908
Toluene	108-88-3	92.10	0.500	1.88	12.8	48.2		1	WG2213908
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG2213908

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG2213908
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG2213908
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG2213908
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	3.29	16.1		1	WG2213908
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	1.16	5.69		1	WG2213908
2,2,4-Trimethylpentane	540-84-1	114.22	0.200	0.934	0.884	4.13		1	WG2213908
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG2213908
Vinyl Bromide	593-60-2	106.95	0.200	0.875	ND	ND		1	WG2213908
Vinyl acetate	108-05-4	86.10	0.630	2.22	ND	ND		1	WG2213908
Xylenes, Total	1330-20-7	106.16	0.600	2.61	12.6	54.7		1	WG2213908
m&p-Xylene	179601-23-1	106	0.400	1.73	9.14	39.6		1	WG2213908
o-Xylene	95-47-6	106	0.200	0.867	3.43	14.9		1	WG2213908
(S) 1,4-Bromofluorobenzene	460-00-4	175	60.0-140		98.3				WG2213908

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R4026726-3 01/26/24 10:25

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
Acetone	U		0.584	1.25
Allyl chloride	U		0.114	0.200
Benzene	U		0.0715	0.200
Benzyl Chloride	U		0.0598	0.200
Bromodichloromethane	U		0.0702	0.200
Bromoform	U		0.0732	0.600
Bromomethane	U		0.0982	0.200
1,3-Butadiene	U		0.104	2.00
Carbon disulfide	U		0.102	0.200
Carbon tetrachloride	U		0.0732	0.200
Chlorobenzene	U		0.0832	0.200
Chloroethane	U		0.0996	0.200
Chloroform	U		0.0717	0.200
Chloromethane	U		0.103	0.200
2-Chlorotoluene	U		0.0828	0.200
Cyclohexane	U		0.0753	0.200
Dibromochloromethane	U		0.0727	0.200
1,2-Dibromoethane	U		0.0721	0.200
1,2-Dichlorobenzene	U		0.128	0.200
1,3-Dichlorobenzene	U		0.182	0.200
1,4-Dichlorobenzene	U		0.0557	0.200
1,2-Dichloroethane	U		0.0700	0.200
1,1-Dichloroethane	U		0.0723	0.200
1,1-Dichloroethene	U		0.0762	0.200
cis-1,2-Dichloroethene	U		0.0784	0.200
trans-1,2-Dichloroethene	U		0.0673	0.200
1,2-Dichloropropane	U		0.0760	0.200
cis-1,3-Dichloropropene	U		0.0689	0.200
trans-1,3-Dichloropropene	U		0.0728	0.200
1,4-Dioxane	U		0.0833	0.630
Ethanol	0.417	U	0.265	2.50
Ethylbenzene	U		0.0835	0.200
4-Ethyltoluene	U		0.0783	0.200
Trichlorofluoromethane	U		0.0819	0.200
Dichlorodifluoromethane	U		0.137	0.200
1,1,2-Trichlorotrifluoroethane	U		0.0793	0.200
1,2-Dichlorotetrafluoroethane	U		0.0890	0.200
Heptane	U		0.104	0.200
Hexachloro-1,3-butadiene	U		0.105	0.630
n-Hexane	U		0.206	0.630

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R4026726-3 01/26/24 10:25

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
Isopropylbenzene	U		0.0777	0.200
Methylene Chloride	U		0.0979	0.200
Methyl Butyl Ketone	U		0.133	1.25
2-Butanone (MEK)	U		0.0814	1.25
4-Methyl-2-pentanone (MIBK)	U		0.0765	1.25
Methyl methacrylate	U		0.0876	0.200
MTBE	U		0.0647	0.200
Naphthalene	U		0.350	0.630
2-Propanol	U		0.264	1.25
Propene	U		0.0932	1.25
Styrene	U		0.0788	0.200
1,1,2,2-Tetrachloroethane	U		0.0743	0.200
Tetrachloroethylene	U		0.0814	0.200
Tetrahydrofuran	U		0.0734	0.200
Toluene	U		0.0870	0.500
1,2,4-Trichlorobenzene	U		0.148	0.630
1,1,1-Trichloroethane	U		0.0736	0.200
1,1,2-Trichloroethane	U		0.0775	0.200
Trichloroethylene	U		0.0680	0.200
1,2,4-Trimethylbenzene	U		0.0764	0.200
1,3,5-Trimethylbenzene	U		0.0779	0.200
2,2,4-Trimethylpentane	U		0.133	0.200
Vinyl chloride	U		0.0949	0.200
Vinyl Bromide	U		0.0852	0.200
Vinyl acetate	U		0.116	0.630
Xylenes, Total	U		0.135	0.600
m&p-Xylene	U		0.135	0.400
o-Xylene	U		0.0828	0.200
(S) 1,4-Bromofluorobenzene	96.6			60.0-140

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4026726-1 01/26/24 09:27 • (LCSD) R4026726-2 01/26/24 09:57

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	3.75	3.67	3.73	97.9	99.5	70.0-130			1.62	25
Allyl chloride	3.75	3.00	3.12	80.0	83.2	70.0-130			3.92	25
Benzene	3.75	3.71	3.81	98.9	102	70.0-130			2.66	25
Benzyl Chloride	3.75	3.85	3.84	103	102	70.0-152			0.260	25

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4026726-1 01/26/24 09:27 • (LCSD) R4026726-2 01/26/24 09:57

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Bromodichloromethane	3.75	3.43	3.46	91.5	92.3	70.0-130			0.871	25
Bromoform	3.75	3.48	3.51	92.8	93.6	70.0-130			0.858	25
Bromomethane	3.75	3.61	3.66	96.3	97.6	70.0-130			1.38	25
1,3-Butadiene	3.75	3.60	3.69	96.0	98.4	70.0-130			2.47	25
Carbon disulfide	3.75	3.07	3.12	81.9	83.2	70.0-130			1.62	25
Carbon tetrachloride	3.75	3.55	3.61	94.7	96.3	70.0-130			1.68	25
Chlorobenzene	3.75	3.80	3.82	101	102	70.0-130			0.525	25
Chloroethane	3.75	3.44	3.48	91.7	92.8	70.0-130			1.16	25
Chloroform	3.75	3.68	3.70	98.1	98.7	70.0-130			0.542	25
Chloromethane	3.75	3.29	3.35	87.7	89.3	70.0-130			1.81	25
2-Chlorotoluene	3.75	4.03	4.05	107	108	70.0-130			0.495	25
Cyclohexane	3.75	4.01	4.08	107	109	70.0-130			1.73	25
Dibromochloromethane	3.75	3.55	3.56	94.7	94.9	70.0-130			0.281	25
1,2-Dibromoethane	3.75	3.80	3.90	101	104	70.0-130			2.60	25
1,2-Dichlorobenzene	3.75	4.02	4.09	107	109	70.0-130			1.73	25
1,3-Dichlorobenzene	3.75	4.07	4.12	109	110	70.0-130			1.22	25
1,4-Dichlorobenzene	3.75	4.18	4.22	111	113	70.0-130			0.952	25
1,2-Dichloroethane	3.75	3.59	3.60	95.7	96.0	70.0-130			0.278	25
1,1-Dichloroethane	3.75	3.62	3.67	96.5	97.9	70.0-130			1.37	25
1,1-Dichloroethene	3.75	3.28	3.33	87.5	88.8	70.0-130			1.51	25
cis-1,2-Dichloroethene	3.75	3.75	3.78	100	101	70.0-130			0.797	25
trans-1,2-Dichloroethene	3.75	3.19	3.17	85.1	84.5	70.0-130			0.629	25
1,2-Dichloropropane	3.75	3.55	3.64	94.7	97.1	70.0-130			2.50	25
cis-1,3-Dichloropropene	3.75	3.76	3.81	100	102	70.0-130			1.32	25
trans-1,3-Dichloropropene	3.75	3.83	3.85	102	103	70.0-130			0.521	25
1,4-Dioxane	3.75	4.04	4.02	108	107	70.0-140			0.496	25
Ethanol	3.75	3.52	3.46	93.9	92.3	55.0-148			1.72	25
Ethylbenzene	3.75	4.01	4.09	107	109	70.0-130			1.98	25
4-Ethyltoluene	3.75	4.20	4.26	112	114	70.0-130			1.42	25
Trichlorofluoromethane	3.75	3.61	3.67	96.3	97.9	70.0-130			1.65	25
Dichlorodifluoromethane	3.75	3.46	3.50	92.3	93.3	64.0-139			1.15	25
1,1,2-Trichlorotrifluoroethane	3.75	3.36	3.46	89.6	92.3	70.0-130			2.93	25
1,2-Dichlorotetrafluoroethane	3.75	3.51	3.56	93.6	94.9	70.0-130			1.41	25
Heptane	3.75	3.77	3.72	101	99.2	70.0-130			1.34	25
Hexachloro-1,3-butadiene	3.75	3.93	3.85	105	103	70.0-151			2.06	25
n-Hexane	3.75	3.84	3.92	102	105	70.0-130			2.06	25
Isopropylbenzene	3.75	4.03	4.10	107	109	70.0-130			1.72	25
Methylene Chloride	3.75	3.11	3.15	82.9	84.0	70.0-130			1.28	25
Methyl Butyl Ketone	3.75	3.95	4.02	105	107	70.0-149			1.76	25
2-Butanone (MEK)	3.75	3.93	3.96	105	106	70.0-130			0.760	25

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R4026726-1 01/26/24 09:27 • (LCSD) R4026726-2 01/26/24 09:57

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
4-Methyl-2-pentanone (MIBK)	3.75	3.79	3.82	101	102	70.0-139			0.788	25
Methyl methacrylate	3.75	3.83	3.92	102	105	70.0-130			2.32	25
MTBE	3.75	4.10	4.15	109	111	70.0-130			1.21	25
Naphthalene	3.75	4.26	4.25	114	113	70.0-159			0.235	25
2-Propanol	3.75	3.68	3.74	98.1	99.7	70.0-139			1.62	25
Propene	3.75	3.81	3.81	102	102	64.0-144			0.000	25
Styrene	3.75	4.23	4.32	113	115	70.0-130			2.11	25
1,1,2,2-Tetrachloroethane	3.75	3.65	3.67	97.3	97.9	70.0-130			0.546	25
Tetrachloroethylene	3.75	3.88	3.90	103	104	70.0-130			0.514	25
Tetrahydrofuran	3.75	3.82	3.95	102	105	70.0-137			3.35	25
Toluene	3.75	3.93	3.99	105	106	70.0-130			1.52	25
1,2,4-Trichlorobenzene	3.75	4.47	4.42	119	118	70.0-160			1.12	25
1,1,1-Trichloroethane	3.75	3.66	3.72	97.6	99.2	70.0-130			1.63	25
1,1,2-Trichloroethane	3.75	3.72	3.75	99.2	100	70.0-130			0.803	25
Trichloroethylene	3.75	3.74	3.75	99.7	100	70.0-130			0.267	25
1,2,4-Trimethylbenzene	3.75	4.16	4.20	111	112	70.0-130			0.957	25
1,3,5-Trimethylbenzene	3.75	4.15	4.23	111	113	70.0-130			1.91	25
2,2,4-Trimethylpentane	3.75	3.86	3.93	103	105	70.0-130			1.80	25
Vinyl chloride	3.75	3.47	3.51	92.5	93.6	70.0-130			1.15	25
Vinyl Bromide	3.75	3.63	3.70	96.8	98.7	70.0-130			1.91	25
Vinyl acetate	3.75	3.58	3.61	95.5	96.3	70.0-130			0.834	25
Xylenes, Total	11.3	12.1	12.2	107	108	70.0-130			0.823	25
m&p-Xylene	7.50	8.00	8.12	107	108	70.0-130			1.49	25
o-Xylene	3.75	4.06	4.11	108	110	70.0-130			1.22	25
(S) 1,4-Bromofluorobenzene				99.4	98.9	60.0-140				

Cp

Tc

Ss

Cn

Sr

Qc

Gl

Al

Sc

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

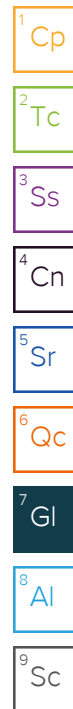
Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier Description

B	The same analyte is found in the associated blank.
J	The identification of the analyte is acceptable; the reported value is an estimate.



ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey--NELAP	TN002
California	2932	New Mexico ¹	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina ¹	DW21704
Georgia	NELAP	North Carolina ³	41
Georgia ¹	923	North Dakota	R-140
Idaho	TN00003	Ohio--VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky ^{1 6}	KY90010	South Carolina	84004002
Kentucky ²	16	South Dakota	n/a
Louisiana	AI30792	Tennessee ^{1 4}	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas ⁵	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA -- ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA -- ISO 17025 ⁵	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA--Crypto	TN00003		

¹ Drinking Water ² Underground Storage Tanks ³ Aquatic Toxicity ⁴ Chemical/Microbiological ⁵ Mold ⁶ Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.



[illegible]



PHASE I ENVIRONMENTAL SITE ASSESSMENT

*I Ellis Johnson Multi-Family Housing Project
Corona Avenue
Laurinburg, NC 28352*

PREPARED FOR:

Southeastern Community Action Partnership
405 N. Elm Street
Lumberton, NC 28358

PREPARED BY:

Locklear, Locklear & Jacobs, PLLC
114 W. Third Street
Pembroke, NC 28372

DATE ISSUED:

July 15, 2025

July 15, 2025

Southeastern Community Action Partnership
Attn: Dr. Ericka J. Whitaker
405 N. Elm Street
Lumberton, NC 28358

**Re: Phase I Environmental Site Assessment
I Ellis Johnson Multi-Family Housing Project**
Corona Avenue
Laurinburg, NC 28352

Dr. Whitaker,

Locklear, Locklear & Jacobs, PLLC (LL&J) has completed a Phase I Environmental Site Assessment (ESA) for the referenced property (i.e. "the subject property") and is pleased to submit the attached report describing the findings. This assessment was prepared in general accordance with LL&J's Proposal No. 23-08216-B and the American Society of Testing and Materials (ASTM) Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process (ASTM Designation: E1527-21). The purpose of the Phase I ESA was to identify, to the extent feasible, *recognized environmental conditions, historical recognized environmental conditions, and controlled recognized environmental conditions* in connection with the subject property. This assessment included a site reconnaissance as well as research and interviews with representatives of the public, property management, and regulatory agencies.

ASTM E1527-21 states that a Phase I ESA "meeting or exceeding" this practice and completed less than 180 days prior to the date of acquisition or intended transaction is presumed to be valid if the report is being relied upon by the User for whom the assessment was originally prepared, and the following components were completed: interviews, the regulatory review, site visit, and the declaration by the environmental professional responsible for the assessment. Based on this requirement, this report is presumed to be valid for 180 days after July 15, 2025.

If you have any questions or require further clarification of the reported findings, please contact us at your convenience. LL&J is appreciative for the opportunity to be of service to you.

Respectfully Submitted,
Locklear, Locklear & Jacobs, PLLC



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Vice President
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PHASE I ENVIRONMENTAL SITE ASSESSMENT

I ELLIS JOHNSON MULTI-FAMILY HOUSING PROJECT LAURINBURG, NORTH CAROLINA, 28352

EXECUTIVE SUMMARY

Locklear, Locklear and Jacobs, PLLC (LL&J) has completed a Phase I Environmental Site Assessment (ESA) of an approximately 19.74-acre property consisting of two (2) separate parcels generally located on Corona Avenue in Laurinburg, NC (the “subject property”). The parcel henceforth referred to as Parcel #1 is identified by the City of Laurinburg’s GIS as **PIN 01008001002** (15.05 acres currently owned by Scotland County Board of Education) and the parcel henceforth referred to as Parcel #2 is identified as **PIN 0100800100201** (4.69 acres currently owned by Scotland County). The following executive summary is intended as an overview of the Phase I ESA, for the reader’s convenience. The complete Phase I ESA should be reviewed in its entirety prior to making decisions regarding the subject property.

There were no data gaps that significantly affected our ability to identify *recognized environmental conditions* associated with the property. This Phase I ESA complies with the ASTM Standard E1527-21 except for the limitations and exceptions discussed in Section 2.4 and no additional services beyond the scope of the ASTM Standard 1527-21 were conducted as part of this assessment.

Miranda Horne of LL&J conducted a site reconnaissance of the subject property by walking all accessible areas on July 14, 2025. At the time of the reconnaissance, the subject property was a mostly cleared, well-maintained, grassy area with the northeastern side of the property consisting of a wooded perimeter. Brick structures that once served as a former school were observed along the northern property line of Parcel #1. The playground area that was previously observed towards the center of the subject property along the northern property line of Parcel #2 appeared to have been removed since the completion of the Phase I ESA in October 2024. The surrounding area of the property consisted of residential development, a HeadStart center, and a continuation of the wooded area along the perimeter mentioned above.

LL&J contracted Environmental Data Resources, Inc. (EDR) to assist in conducting the environmental database search of the subject property and its surrounding area. Based on a review of EDR’s Aerial Photo Decade Package, from 1938 to around 1957, the subject property was utilized as an agricultural field. Thereafter, the former school was constructed on the property. Although the facility is no longer utilized as a school, the brick structures it consisted of remain in the present day along the northern portion of existing Parcel #1. Residential and commercial development started appearing around 1949 and has continued to increase in the surrounding area since.

The results of this assessment revealed **no evidence** of *recognized environmental conditions* associated with the subject property. At the time of this report, there were no known spills or contaminations reported at this site.

In relation to the subject property, there were some de minimis conditions observed. These consisted of areas of various types of debris identified throughout the wooded perimeter area of the subject property. The debris and educational facility mentioned above do not appear to be *recognized environmental conditions* based on visual evidence.



1.0 INTRODUCTION

LL&J conducted a Phase I ESA of an approximately 19.74-acre property consisting of two separate parcels generally located on Corona Avenue in Laurinburg, NC (the “subject property”). The subject property’s two identifying PIN Numbers are as follows: PIN No. 01008001002 consisting of approximately 15.05 acres (Parcel #1), and PIN No. 0100800100201 consisting of approximately 4.69 acres (Parcel #2).

1.1 LOCATION AND LEGAL DESCRIPTION

The subject property is generally located on Corona Avenue in Laurinburg, NC. According to the City of Laurinburg’s GIS, the legal description of the subject property is defined as IE Johnson School (PIN NO: 01008001002) and Lincoln Park (PIN NO: 0100800100201). Per the City of Laurinburg’s Zoning Classification map, the zoning of the subject property is listed as O-I, Office & Institutional. **Figure 1** of this report depicts the location of the subject property and an aerial photograph of the subject property illustrating site features is presented as **Figure 2**.

1.2 SITE AND VICINITY CHARACTERISTICS

The subject property was a mostly cleared, well-maintained, grassy area with the northeastern side of the property consisting of a wooded perimeter. Brick structures that once served as a former school were observed on the property along the northern property line of Parcel #1. The playground area that was previously observed towards the center of the subject property along the northern property line of Parcel #2 appeared to have been removed since the completion of the Phase I ESA in October 2024. The surrounding area of the property consisted of residential/commercial development and a continuation of the wooded area along the perimeter mentioned above.

1.3 PURPOSE

The purpose of this Phase I ESA is to identify, to the extent feasible, pursuant to ASTM E1527-21, *recognized environmental conditions* in connection with the subject property. It is LL&J’s understanding that the Phase I ESA is being conducted as part of grant compliance for a proposed multi-family housing project and the Client has received confirmation by the property owner of both parcels (Scotland County) that they agree to combine Parcel #1 and Parcel #2 and subdivide the combined property into three separate parcels. For the purposes of clearly identifying the proposed project site for use within this Phase I ESA; it should be noted that although the subject property is currently split and identified as Parcel #1 and Parcel #2, the extent of the proposed housing project will not involve any of the existing structures observed on Parcel #1 as this portion will become one of the three proposed subdivided parcels and will remain in the possession of Scotland County. Based on preliminary planning, the proposed housing project is anticipated to be located on what is currently the southern portion of Parcel #1 and all of Parcel #2 with an approximate total proposed acreage of 11.49 acres.

A *recognized environmental condition* (REC) is defined by ASTM as the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property under conditions that indicate an existing release, a past release, or a material threat of release of any hazardous substances or petroleum products into structures, on the property or into the ground, groundwater, or surface water of the property. A *de minimis condition* is not a REC.



A *de minimis condition* is defined as a condition related to a release that generally does not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies.

1.4 SCOPE OF SERVICES

The scope of services for this assessment was prepared in general accordance with the American Society of Testing and Materials (ASTM) Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process (ASTM Designation: E1527-21). These methodologies are described as representing good commercial and customary practice for conducting an ESA of a property for the purpose of identifying *recognized environmental conditions*. This assessment was broken into four main components as described below.

Component 1: A review of reasonably ascertainable public records for the subject property and the immediate surrounding area was conducted. This review was utilized to characterize environmental features of the subject property and to identify past and present land use activities, on or in the vicinity of the subject property that may indicate a potential for RECs. This review included:

- A review of federal, state, tribal, and reasonably ascertainable local public records for the subject property.
- A review of one or more of the following standard sources: aerial photographs, tax files, building department records, zoning/land use records, street directories, and topographic maps of the subject property and vicinity for evidence suggesting past uses that may have involved hazardous substances or petroleum products.
- A review of land title records tracing back to 1938 or first developed use, whichever is earlier, as well as a copy of the current deed.

Component 2: A site reconnaissance was performed to identify any visible signs of past or present contamination on or adjacent to the subject property. This reconnaissance was also performed to evaluate any evidence found in Component 1 that may have indicated activities resulting in hazardous substances or petroleum products being used or deposited on the subject property. Areas of the subject property were photographed to document current use(s) of the subject property, as well as conditions associated with the subject property such as unusually discolored soil, stressed vegetation, or other significant features.

Component 3: Interviews with past and present property owners (if available), operators and occupants as well as with appropriate local officials were conducted to consider any local knowledge of hazardous substances and petroleum products on the subject property or on adjacent properties.

Component 4: After Components 1 through 3 were completed, LL&J prepared this Phase I ESA Report by reviewing and compiling all attained information to make a determination of any REC's or de minimis conditions identified, if any.

1.5 SIGNIFICANT ASSUMPTIONS

While this report provides an overview of potential environmental conditions, both past and present, the environmental assessment is limited by the availability of information at the time of the assessment. It is possible that unreported disposal of waste or illegal activities impairing the environmental status of the property may have occurred which could not be identified. The conclusions and recommendations regarding environmental conditions that are presented in this report are based on the scope of services authorized by the



Client. Note, however, that virtually no scope of services, no matter how exhaustive, can identify all contaminants or all conditions above and below ground.

1.6 LIMITATIONS AND EXCEPTIONS

This report has been prepared in accordance with generally accepted environmental methodologies referred to in ASTM E1527-21 and contains all the limitations inherent in these methodologies. No other warranties, expressed or implied, are made as to the professional services provided under the terms of our contract and included in this report.

The conclusions of this report are based, in part, on the information provided by others. The possibility remains that unexpected environmental conditions may be encountered at the site in locations not specifically investigated. Should such an event occur, LL&J must be notified so that we may determine if modifications to our conclusions are necessary.

The services performed and outlined in this report were based, in part, upon visual observations of the site and attendant structures. Our opinion cannot be extended to portions of the site that were unavailable for direct observation, reasonably beyond the control of LL&J.

The objective of this report was to assess environmental conditions at the site, within the context of our contract and existing environmental regulations within the applicable jurisdiction. Evaluating compliance of future owners with applicable local, provincial, and federal government laws and regulations was not included in our contract for services.

Our observations relating to the condition of environmental media at the site are described in this report. It should be noted that compounds or materials other than those described could be present in the site environment.

1.7 SPECIAL TERMS AND CONDITIONS

This Phase I ESA Update was conducted in accordance with LL&J's Proposal No. 23-08216-B, accepted and signed by the Client on April 19, 2024, and LL&J's Contract Amendment #2 for a Phase I ESA Update, accepted and signed by the Client on June 26, 2025.

1.8 USER RELIANCE

This report may be distributed and relied upon by the Users (Judd Roth Real Estate Development, Inc. and Southeastern Community Action Partnership), their successors, and assigns. Reliance on the information and conclusions in this report by any other person or entity is not authorized without the written consent of LL&J.

According to ASTM E1527-21 standards, certain components of the Phase I ESA will expire 180 days from the date of initiation of that component and will therefore require updating if the date of use exceeds the set time period. The following table lists the dates of initiation for the pertinent components of this Phase I ESA:

Component	Date of Initiation
Environmental Data Search	July 3, 2025
Site Reconnaissance	July 14, 2025
User Questionnaire; User Recertifications	June 30, 2025



Past & Present Owners/Occupants and State/Local Government Officials Interviews	July 1, 2025
Environmental Lien Search	Not Applicable
Environmental Professional Declaration	July 15, 2025

2.0 USER PROVIDED INFORMATION

A user questionnaire was completed on June 10, 2024, recertified on October 29, 2024, and again on July 1, 2025, by Mike McGirt with Scotland County (Owner) on behalf of Mrs. Cynthia Foskey, the Director of Executive Administration & Contracts of SCAP (User/Client). This user questionnaire was used in accordance with ASTM E1527-21 to ascertain any pertinent information regarding the subject property to aid in identifying any RECs or potential RECs. A copy of this questionnaire is included in **Appendix V**.

2.1 TITLE RECORDS

There were no title records provided during the Phase I ESA and LL&J was not engaged by the user to secure a chain of title report as part of the Scope of Services.

2.2 ENVIRONMENTAL LIENS OR ACTIVITY AND USE LIMITATIONS

Review of Activity and Use Limitations (AULs) and environmental liens by the environmental professional can aid in determining if a REC is associated with the subject property. AULs can include both institutional and engineering controls and are often recorded in land title records in the restrictions of record rather than a typical chain-of-title or title abstract. The user has the responsibility of checking land title and judicial (federal, state, and local) records.

No Lien/AUL search was provided by the user, and no information regarding environmental liens, AULS, or governmental notification relating to past or recurrent violations of environmental laws with respect to the subject property was reported to LL&J.

2.3 SPECIALIZED KNOWLEDGE OR EXPERIENCE OF THE USER

Mrs. Foskey stated that she had no specialized knowledge regarding the subject property; however, Mr. McGirt had some specialized knowledge.

2.4 COMMONLY KNOWN OR REASONABLY ASCERTAINABLE INFORMATION

No commonly known or reasonably ascertainable information about the subject property within the local community that was material to RECs in connection with the subject property was reported to LL&J.

2.5 VALUATION REDUCTION FOR ENVIRONMENTAL ISSUES

When asked if SCAP/Scotland County believed that the market price reflected the fair market value of the property, their response was "N/A".

2.6 OWNER, PROPERTY MANAGER, AND OCCUPANT INFORMATION

Per the City of Laurinburg's GIS website, Scotland County Board of Education and Scotland County are the current owning entities of the two adjoining parcels that make up the subject property.

2.7 REASON FOR PERFORMING PHASE I ESA

It is LL&J's understanding that the Phase I ESA is intended to provide insight into the subject property's potential hazards as part of SCAP's due diligence process for a potential transaction regarding the subject property.

2.8 OTHER

No other information was provided by the user in association with this Phase I ESA.

3.0 SITE RECONNAISSANCE

A site reconnaissance visit was conducted by Miranda Horne of LL&J on July 14, 2025.

3.1 METHODOLOGY AND LIMITING CONDITIONS

The purpose of the site reconnaissance is to obtain information indicating the likelihood of identifying RECs in connection with the subject property. All the areas of the subject property were accessible at the time of inspection. There were no visible or physical obstructions of the subject property. Photographs were taken to document the current uses and existing conditions of the subject property and are included in **Appendix IV**.

3.2 GENERAL SUBJECT PROPERTY SETTING

The subject property is generally located within city limits on Corona Avenue in Laurinburg, NC 28352 and consists of two separate parcels. The subject property's two identifying PIN Numbers are as follows: PIN No. 01008001002 and PIN No. 0100800100201.

3.3 EXTERIOR OBSERVATIONS

At the time of the site reconnaissance, brick structures that once served as a former school were observed on the property along the northern property line. No road or path that potentially served as an avenue for releases or disposal of hazardous substances or petroleum products was observed on the subject property. Four access drives were observed on the subject property and appear to serve as the entrances/exits for access to and from the existing parking lot areas in connection with the former school that was observed.

3.4 INTERIOR OBSERVATIONS

Brick structures that once served as a former school were observed, however the interior of these structures was not accessible by the environmental professional at the time of the site reconnaissance.



3.5 PRIOR ASSESSMENT USAGE

No prior environmental site assessments were provided/reported by the user to LL&J at the time of this report preparation.

3.6 FEATURES, ACTIVITIES, USES, AND CONDITIONS

3.6.1 CURRENT USE(S) OF THE SUBJECT PROPERTY

At the time of the site reconnaissance, it was observed that there had been no changes to any of the site structures or conditions, except for the apparent removal of the playground, since the Phase I ESA was originally completed in October 2024. The subject property was a mostly cleared, well-maintained, grassy area with the northeastern side of the property consisting of a wooded perimeter. A collection of brick structures that once served as a former school was observed on the property along the northern property line of Parcel #1. One of the structures appeared to have some occupancy as a few vehicles were observed in the parking lot. The current reported use of the former school is unknown by LL&J however it has been disclosed that the future use will be additional office spaces for use by Scotland County.

3.6.2 PAST USE(S) OF THE SUBJECT PROPERTY

Based on a review of EDR's Aerial Photo Decade Package, from 1938 to around 1957, the subject property was utilized as an agricultural field. Thereafter, the former school was constructed on the property. Although the facility is no longer utilized as a school, the brick structures it consisted of remain in the present day along the northern portion of existing Parcel #1.

3.6.3 CURRENT USE(S) OF ADJOINING PROPERTIES

The current uses of the adjoining properties are:

- **Property North** – Residential
- **Property South** – Commercial/Woodland
- **Property East** – Residential/Woodland
- **Property West** – Residential

3.6.4 PAST USE(S) OF ADJOINING PROPERTIES

The past uses of the adjoining properties are:

- **Property North** – Residential
- **Property South** – Commercial/Woodland
- **Property East** – Woodland
- **Property West** – Residential



3.6.5 CURRENT OR PAST USES IN THE SURROUNDING AREA

Residential and commercial development started appearing around 1949 and has continued to increase in the surrounding area since.

3.6.6 GEOLOGIC, HYDROGEOLOGIC, HYDROLOGIC, AND TOPOGRAPHIC CONDITIONS

The Subject Property falls within the coastal plain per the physiographic province of North Carolina mapper, and the Mesozoic Cretaceous rock stratigraphic unit. The soil is predominately part of the Lynchburg Formation, described as having a loamy sand texture. Soil drainage is reported as somewhat poorly drained. The depth to Bedrock is greater than 31 inches. The corrosion potential for uncoated steel is high. Please refer to the attached EDR Radius Map Report for further information.

3.6.7 GENERAL DESCRIPTION OF STRUCTURES AND ROADS

There are brick structures that once served as a former school on the property along the northern portion of Parcel #1. There are 3 paved access drives along Corona Avenue and 1 paved access drive along McGirts Bridge Road that serve as points of entry to the former school found on the subject property.

3.7 EXTERIOR OBSERVATIONS

EXTERIOR PROPERTY OBSERVATIONS

Item Description	Observed/Reported on Site (Y/N)	Comments
Potable Water Supply/Sewage Disposal System	Y	Municipal water and sewer services are available and owned by the City of Laurinburg.
Hazardous Substances and Petroleum Products/Containers in Connection with Identified Uses	N	
Storage Tanks	N	
Strong, Pungent, or Noxious Odors	N	
Pools of Liquid	N	
Drums, Totes, Bulk Containers	N	
Unidentified Substance Containers	N	



Polychlorinated Biphenyls (PCB)- Containing Items	N	The past use of PCBs in electrical equipment such as transformers, fluorescent lamp ballasts, and capacitors was common. PCBs in electrical equipment are controlled by United States EPA regulation 40 CFR, Part 761. According to this regulation there are three categories for classifying electrical equipment; less than 50 ppm of PCBs is considered “non-PCB”; between 50 and 500 ppm is considered “PCB-Contaminated”; and greater than 500 ppm is considered “PCB”.
Pits, Ponds, or Lagoons	N	
Stained Soil or Pavement	N	
Stressed Vegetation (something other than insufficient water)	N	
Solid Waste	Y	Several areas of what appeared to be household trash/debris, empty 5-gallon buckets, and empty metal containers (smaller in size and unlabeled), were identified just inside of the wooded area along the northeastern property border. Based on the appearance of the metal containers, they appear to have been located in the area for an extensive amount of time. No visible signs of spills or leaks were observed within these areas. LL&J has marked the location of the trash/debris areas on an aerial map of the subject property.
Water/Wastewater	N	
Wells/Septic Systems or Cesspools	N	

3.8 INTERIOR OBSERVATIONS

3.8.1 HEATING/COOLING

None observed.

3.8.2 STAINS OR CORROSION ON FLOORS, WALLS, OR CEILINGS

None observed.

3.8.3 DRAINS AND SUMPS

None observed.



4.0 RECORDS REVIEW

This section summarizes records obtained and reviewed to help identify *recognized environmental conditions* in connection with the subject property.

Some records reviewed pertain not only to the property, but also to properties within an additional approximate minimum search distance to help assess the likelihood of problems from migrating hazardous substances or petroleum products. Unless stated otherwise the approximate minimum search distances used below were as specified in the ASTM Standard E1527-21.

4.1 PHYSICAL SETTING RESOURCES

Physical setting sources were reviewed to provide information about the geologic, hydrogeologic, hydrologic, and topographic conditions of the subject property.

4.1.1 TOPOGRAPHIC INFORMATION

The topography of the subject property during the site visit was relatively flat, in which some areas were more recessive than others. According to the physical setting source records reviewed, the topography of the subject property and its surrounding area has a General Topographic Gradient toward General West, Northwest.

4.1.2 HYDROLOGIC INFORMATION

FEMA Flood Zone

A FEMA National Flood Hazard Layer Map (**Appendix I, Figure 3**) was reviewed, and the subject property is located within Map Panel **3710836700K, eff. 7/7/2014**. According to this map, the subject property is in Zone X, "Area of Minimal Flood Hazard".

National Wetland Inventory

According to the National Wetlands Inventory Map (**Appendix I, Figure 4**) that was reviewed, there are no wetland locations present on the subject property.

4.1.3 HYDROGEOLOGIC INFORMATION

Local/Regional Water Agency Records from the EDR Radius Map revealed that there are two Federal USGS Wells located within 1/8 – 1/2 mile of the subject property. Information pertaining to these facilities identified in the databases is summarized in the tables below.

LOCAL/REGIONAL WATER AGENCY RECORDS SUMMARY

Well ID	Direction & Distance	Listed Well Type
USGS40000883295	NNW 1/8 – 1/4 mi.	Federal USGS Well
USGS40000883298	NNE 1/4 – 1/2 mi.	Federal USGS Well



A search for hydrogeologic information obtained by the installation of wells on a specific site was conducted by EDR within a 1-mile radius of the subject property in an effort to provide data on the general direction of groundwater flow at specific points. This search concluded that there was no reported hydrogeologic information in connection with the subject property.

In many areas, the slope of the water table under static conditions (no pumping interference) often approximates the land surface topography. Thus, in the absence of site-specific information, the movement of groundwater is assumed to be approximately in the direction of the nearest perennial surface waterbody. According to the topographic map of the subject area, groundwater at the subject property is expected to flow to the south toward the Lumber River.

4.1.4 GEOLOGIC INFORMATION

Geologic Information pertaining to the general area of the subject property was obtained using the EDR Radius Map and is described as below.

Rock Stratigraphic Unit

Era: Mesozoic

System: Cretaceous

Series: Washita Group

Code: IK3 (decoded above as Era, System, & Series)

Geologic Age Identification

Category: Stratified Sequence

The property falls within the coastal plain per the physiographic province of North Carolina mapper, and the Mesozoic Cretaceous rock stratigraphic unit. The soil is part of the Autryville Formation, described as a sand texture. The property's soil belongs to Class A hydrologic groups. Class A Group states that the soils have high infiltration rates with well drained soils and have intermediate water holding capacity.

Please refer to **Appendix II** for further details regarding the above records.

4.2 REGULATORY RECORDS REVIEW

This section summarizes records obtained and reviewed to help identify RECs, CRECs, and HRECs in connection with the subject property.

4.2.1 STANDARD & ADDITIONAL ENVIRONMENTAL RECORD SOURCES

LL&J conducted a search of available standard federal, state, and tribal environmental records obtained from Environmental Data Resources Inc. (EDR), 440 Wheelers Farms Road, Milford, CT 06461, in an effort to identify A copy of this report is attached as **Appendix II**, including a listing of the databases, search distances, an explanation of each database, and figures depicting the approximate locations of regulated facilities in the vicinity of the subject property.

Regulatory listings are limited and only include facilities or incidents that are known to the federal and state agencies at the time of publication of various agency databases, as indicated in the EDR Report.

The "Target Property Search Results" section of this report stated that the subject property was not identified in any of the databases searched by EDR. Surrounding sites were identified in the reviewed listings located within



the approximate minimum search distance radius of the subject property. Information pertaining to these facilities identified in the databases is summarized in the tables below.

STANDARD ENVIRONMENTAL RECORDS DATABASE SEARCH SUMMARY

Facility	Location	Direction & Distance	Listed Record Type
Pee Dee Timber Co.	230 W Bizzell St	W ½ - 1 (0.954 mi.)	SHWS
Laurinburg Food Mart	1201 Produce Market	N ¼ - ½ (0.442 mi.)	LUST
Laurinburg Food Mart	1201 Produce Market	N ¼ - ½ (0.442 mi.)	LUST TRUST
IE Johnson Middle	815 McGirt's Bridge	0 – 1/8 (0.000 mi.)	UST (Tank Status: Removed)
Laurinburg Food Mart	609 Produce Market R	NNE 0 – 1/8 (0.112 mi.)	UST (Tank Status: Current)
Laurinburg Food Mart	1201 Produce Market	N ¼ - ½ (0.442 mi.)	INST CONTROL

ADDITIONAL ENVIRONMENTAL RECORDS DATABASE SEARCH SUMMARY

Facility	Location	Direction & Distance	Listed Record Type
Pats Place	S. Main St.	WNW 1/4 – 1/2 (0.456 mi.)	IMD
IE Johnson Middle	815 McGirt's Bridge	0 – 1/8 (0.000 mi.)	FINDS
Former IE Johnson BL	815 McGirt's Bridge	0 – 1/8 (0.000 mi.)	ASBESTOS
Laurinburg Food Mart	609 Produce Market R	NNE 0 – 1/8 (0.112 mi.)	UST FINDER
Laurinburg Food Mart	609 Produce Market R	NNE 0 – 1/8 (0.112 mi.)	UST FINDER RELEASE

Upon further investigation, we determined that the listing for Laurinburg Food Mart was addressed incorrectly by EDR in the report and is actually located approximately 4,600 feet away. The correct address for this site is 1201 Produce Market Rd, Laurinburg, NC 28352.

Please refer to **Appendix II** for further details regarding the above records.

4.3 HISTORICAL RECORDS REVIEW

The objective of consulting historical sources is to develop a history of the previous uses of the subject property, adjoining properties, and surrounding area to help identify the likelihood of past uses having led to *recognized environmental conditions* in connection with the subject property. Historical use information describing the subject property, adjoining properties, and surrounding area was obtained by reviewing the following EDR Reports:

- Aerial Photographs for the years 1938, 1950, 1957, 1964, 1971, 1976, 1983, 1987, 1993, 1999, 2006, 2010, 2014, 2018, and 2022.
- Historical Topographic Maps for the years 1949, 1957, 1976, 1982, 2013, 2016, 2019, and 2022.
- Certified Sanborn Fire Insurance Maps covering the subject property were not found during the search.
- City Directories for the years 1964, 1967, 1971, 1976, 1981, 1986, 1992, 1995, 2000, 2005, 2010, 2014, 2017, 2020.

4.3.1 HISTORICAL USE INFORMATION ON THE SUBJECT PROPERTY

Comprehensive historical information regarding the subject property is summarized in the table below.



HISTORICAL USE INFORMATION ON THE SUBJECT PROPERTY SUMMARY

Source	Years Reported for Observed Feature	Comments
Aerial Photo Decade Package	1938, 1950, 1957, 1964, 1971, 1976, 1983, 1987, 1993, 1999, 2006, 2010, 2014, 2018, and 2022	From 1938 up to the year 1957 the subject property appears to strictly have been used as an agricultural field with no structures visible. From 1957 to 1964, up to 3 buildings are located on the northern corner of what is referred to as Parcel #1. It appears after that, there was an additional building added to the group of existing structures. Beginning in 1993, the playground area can be seen being slowly developed in the southern portion of the property.
Historical Topographic Maps	1949, 1957, 1976, 1982, 2013, 2016, 2019, and 2022	In 1949, the subject property was clear with no structures. In 1957, the 3 structures that make up the former school appeared until 1976 when the additional building appears along the northern corner of Parcel #1. Topo maps from 2013-2022 do not show any buildings, however it depicts a "school" legend symbol in their place. No other information was visible on the provided maps regarding the subject property.

Please refer to **Appendix III** for further details regarding the above records.

4.3.2 HISTORICAL USE INFORMATION ON ADJOINING PROPERTIES

The historical uses of adjoining properties to the subject property are summarized below. These uses were determined using the standard historical sources noted above.

HISTORICAL USE INFORMATION ON ADJOINING PROPERTIES SUMMARY

Location	Time Period	Historical Land Use
North	1938 – 2022	Northern adjoining properties have consisted of agricultural fields since at least 1938. Residential properties began appearing in 1949 and have increased in numbers since.
South	1938 – 2022	Southern adjoining properties have consisted of agricultural fields since at least 1938 - 1993. Residential properties began appearing in 1971 and have increased in numbers since, with the addition of some commercial properties also.
East	1938 – 2022	Eastern adjoining properties have consisted of agricultural fields since at least 1938 – 2000. A residential property appeared in 1987 and residences have increased in numbers since.
West	1938 – 2022	Western adjoining properties have consisted of agricultural fields since at least 1938 – 1964. Residential properties began appearing in 1949 and have increased in numbers since.

Please refer to **Appendix III** for further details regarding the above records.

5.0 INTERVIEWS

The purpose of an interview is to obtain information indicating *recognized environmental conditions* in connection with the property. Copies of the interview documentation with additional information and details can be found in **Appendix V**.

5.1 INTERVIEW WITH USER

For this Phase I ESA, LL&J contacted the User Representative (Cynthia Foskey with SCAP) to conduct an interview on May 29, 2024, by means of a User Questionnaire. This has since been recertified on October 29, 2024, and again on June 30, 2025. Mrs. Foskey responded via email stating that SCAP has little to no site-specific knowledge of the property and referred the questionnaire to the property Owner's Representative (Mike McGirt with Scotland County). Being that the Owner of the property is a Government Entity, and the information contained in the User Questionnaire was provided by the Owner's Representative, this should also serve as the interviews for Past and Present Owners, Key Site Manager, and State and Local Government Officials.

5.2 INTERVIEW WITH PAST AND PRESENT OWNERS

The User Interview serves as the Past and Present Owner Interview.

5.3 KEY SITE MANAGER

The User Interview serves as the Key Site Manager Interview.

5.4 INTERVIEW WITH OCCUPANTS

The proposed project site property is unoccupied. One of the buildings that makes up the former school appears to be occupied; however, this structure will not be part of the planned proposed project site for the purposes of the Phase I ESA.

5.5 INTERVIEWS WITH STATE AND LOCAL GOVERNMENT OFFICIALS

The User Interview serves as the State and Local Government Official Interview.

6.0 ADDITIONAL SERVICES

No additional services are being conducted in association with this Phase I ESA.

7.0 FINDINGS & OPINIONS

The results of the Phase I ESA are summarized in the following sections.

7.1 ON-SITE FINDINGS

- Several areas of what appeared to be household trash/debris, empty 5-gallon buckets, and empty metal containers (smaller in size and unlabeled), were identified just inside of the wooded area along the northeastern property border. Based on the appearance of the metal containers, they appear to have been located in the area for an extensive amount of time. No visible signs of spills or leaks were observed within these areas.

7.2 OFF-SITE FINDINGS

- The EDR Radius Map Report identified Laurinburg Food Mart as a UST/LUST site located approximately 599 feet (NNE) of the subject property. Upon further investigation, we determined that this listing was addressed incorrectly by EDR in the report and is actually located approximately 4,600 feet away. The correct address for the UST Site is 1201 Produce Market Rd, Laurinburg, NC 28352.
- The EDR Radius Map Report identified Pat's Place as an IMD site located approximately 2,416 feet (WNW) of the subject property.

7.3 ON-SITE OPINIONS

- The household trash/debris dumping areas observed in the wooded area along the northeastern property border are considered to be *de minimis conditions* and **do not** represent a *recognized environmental condition* associated with the subject property. All containers were empty, and no visible signs of leaks or spills were observed in these areas.

7.4 OFF-SITE OPINIONS

- The Laurinburg Food Mart UST/LUST site **does not** represent a *recognized environmental condition* associated with the subject property due to its distance from the subject property.
- The Pat's Place IMD site **does not** represent a *recognized environmental condition* associated with the subject property due to its distance from the subject property.

7.5 DATA GAPS

The following data gaps were identified:

- The historical use of the subject property was based on information gathered from aerial photographs, historical topographic maps, and city directories. This information was not available on a consecutive year-to-year basis, and therefore the uses and conditions of the subject property during those times cannot be clearly determined. The oldest historical aerial obtained was dated 1938, which shows the property developed with at least one residence and several barns, outbuildings, and ag fields.

There were no data gaps that significantly affected our ability to identify *recognized environmental conditions* associated with the subject property.

The rationale for concluding that a condition is or is not currently a *recognized environmental condition* is, the presence or likely presence of any hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release, or a material threat of release of any hazardous substances or petroleum products into structures, on the property or into the ground, groundwater, or surface water of the property.

Considering the *de minimis conditions* that were identified in relation to the subject property in the previous section, it is difficult to determine what level of threat, if any, these conditions pose to future development on the subject property without further investigation. This may include ground penetrating radar test and/or soil borings to determine if any contaminants are present.



8.0 CONCLUSIONS


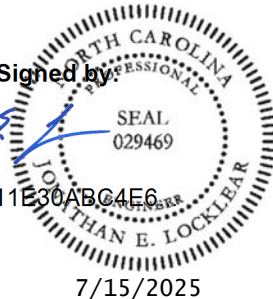
We have performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E1527-21 of an approximately 19.74-acre property consisting of two separate parcels generally located on Corona Avenue in Laurinburg, NC (the “subject property”). The subject property’s two identifying PIN Numbers are as follows: PIN No. 01008001002 consisting of approximately 15.05 acres (Parcel #1), and PIN No. 0100800100201 consisting of approximately 4.69 acres (Parcel #2). Any exceptions to, or deletions from, this practice are described in Section 1.6 of this report.

This assessment has revealed **no evidence** of *recognized environmental conditions, controlled recognized environmental conditions, and/or significant data gaps* in connection to the subject property.

9.0 ENVIRONMENTAL PROFESSIONAL STATEMENT

I declare that, to the best of my professional knowledge and belief, I meet the definition of Environmental Professional as defined in §312.10 of 40 CFR 312. I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. I have developed and performed all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

Prepared by:

DocuSigned by:

 429D11E30ABC4E6

 7/15/2025

Jonathan E. Locklear, PE

VP

Locklear, Locklear & Jacobs, PLLC

10.0 REFERENCES

Material references are cited within the report text, unless otherwise listed below.

The following documents, maps, or other publications may have been used in the preparation of this report.

- American Society for Testing and Materials Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process (ASTM E1527-21).
- American Society for Testing and Materials Guide for Environmental Site Assessments: Transaction Screen Process (ASTM E1528).
- Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (“CERCLA” or “Superfund”), as amended by Superfund Amendments and Reauthorization Act of 1986 (“SARA”) and Small Business Liability Relief and Brownfields Revitalization Act of 2002 (“Brownfield Amendments”), 42 U.S.C. §§9601, et. seq.
- Resource Conservation and Recovery Act, as amended (“RCRA”), 42 U.S.C. §6901, et. seq.
- Federal Emergency Management Agency, National Flood Insurance Program, Flood Insurance Maps.
- United States Department of Agriculture, Soil Conservation Service, Soil Surveys.
- United States Geological Survey, Topographic Maps.
- United States Department of the Interior, Fish and Wildlife Service, National Wetlands Inventory Map



APPENDIXES

Appendix I:	Figures
Appendix II:	EDR Radius Map
Appendix III:	Historical Research & Tax Record Documentation
Appendix IV:	Site Photographs
Appendix V:	Questionnaires & Interview Documentation



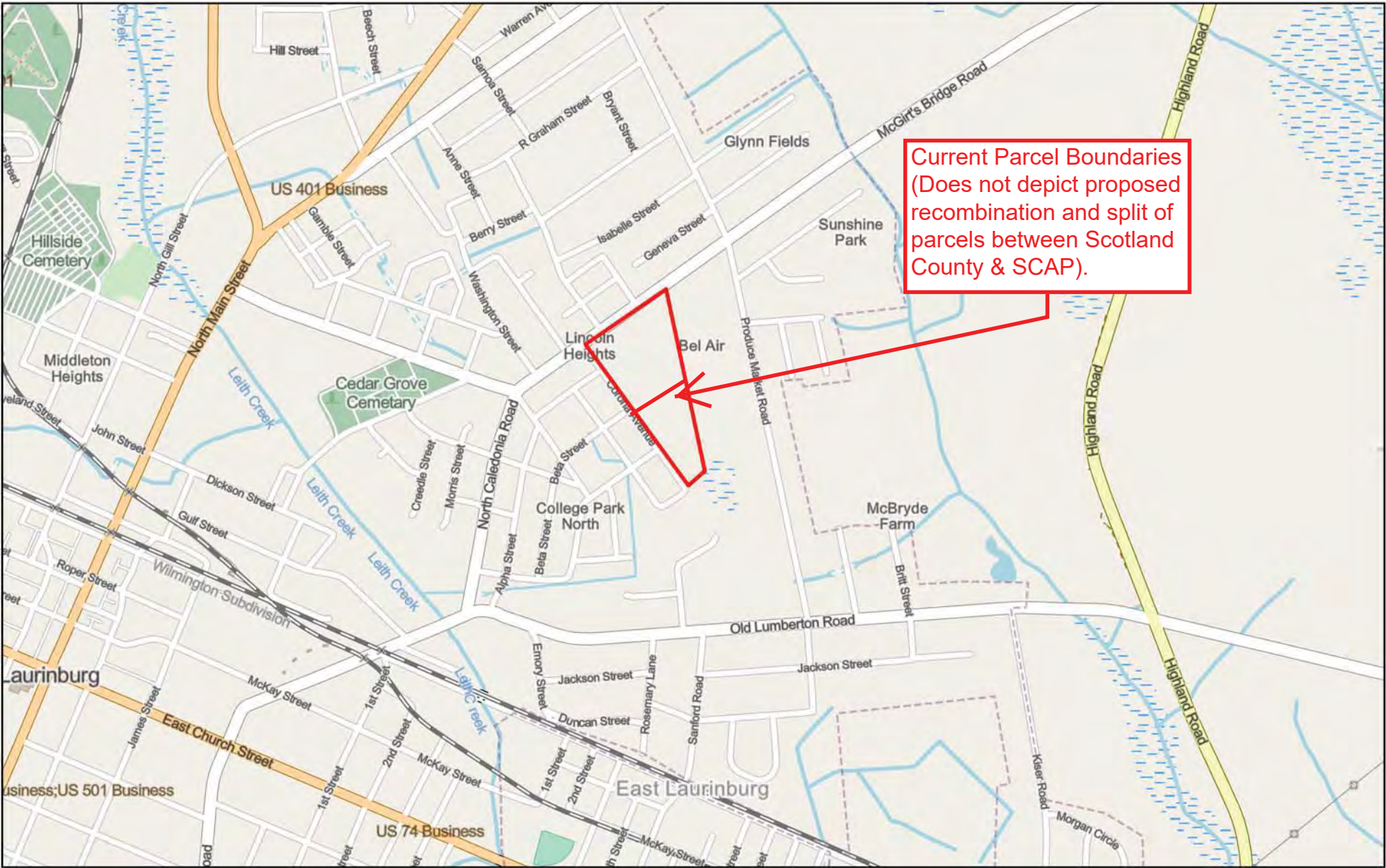
APPENDIX I: FIGURES

- Figure 1: Vicinity Map
- Figure 2: Topographic Map
- Figure 3: FEMA Flood Map
- Figure 4: Wetland Map



FIGURE 1: VICINITY MAP

IE Johnson Housing - Vicinity Map



July 14, 2025

 IE Johnson Affordable Housing

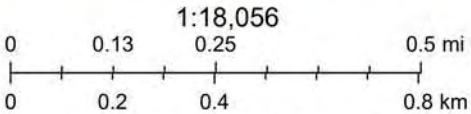
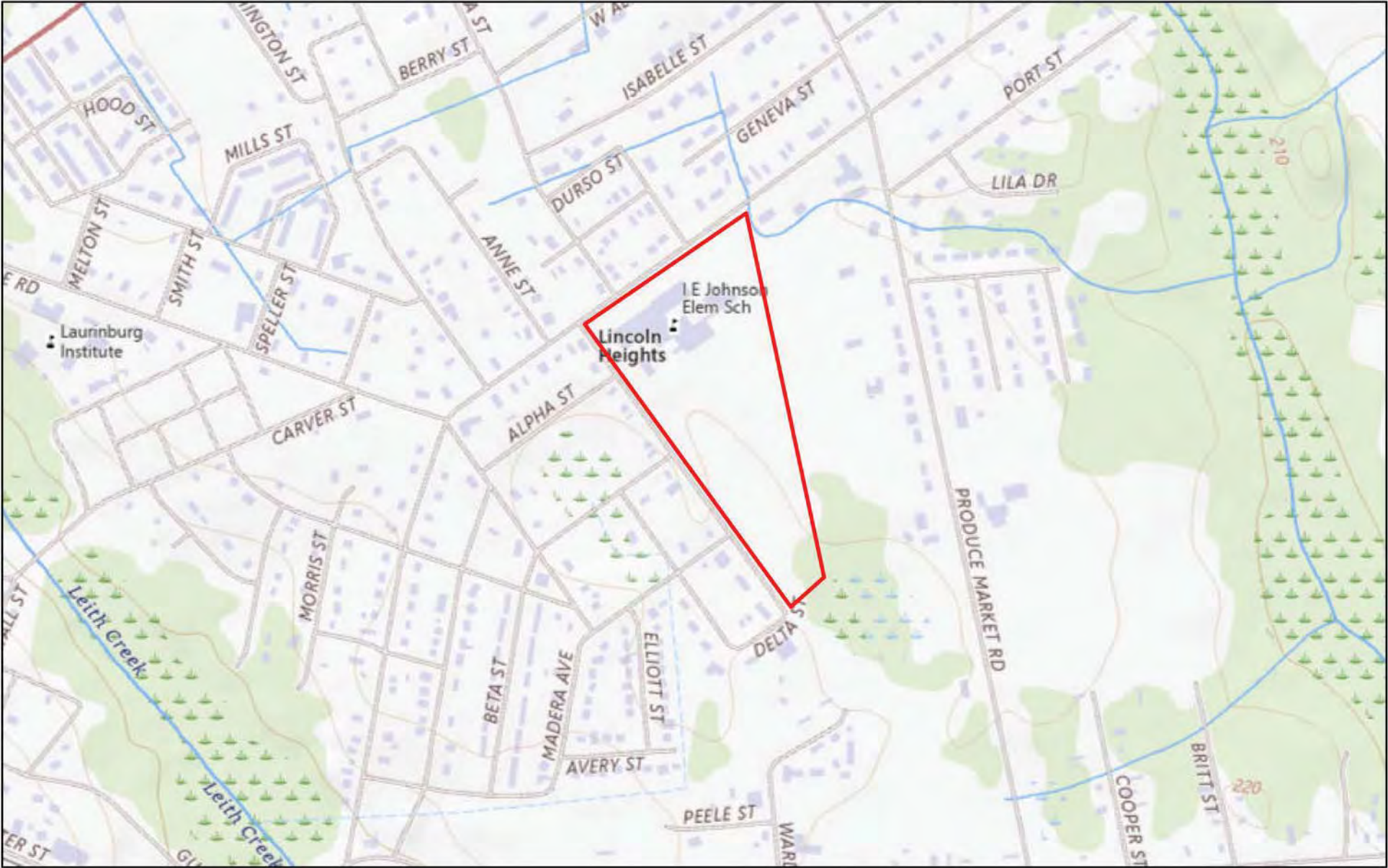


FIGURE 2: TOPOGRAPHIC MAP

IE Johnson Housing - Topographic Map



July 14, 2025

 IE Johnson Affordable Housing

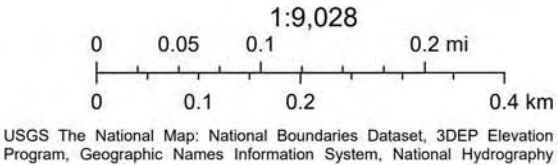
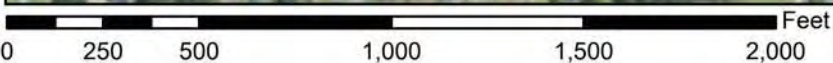
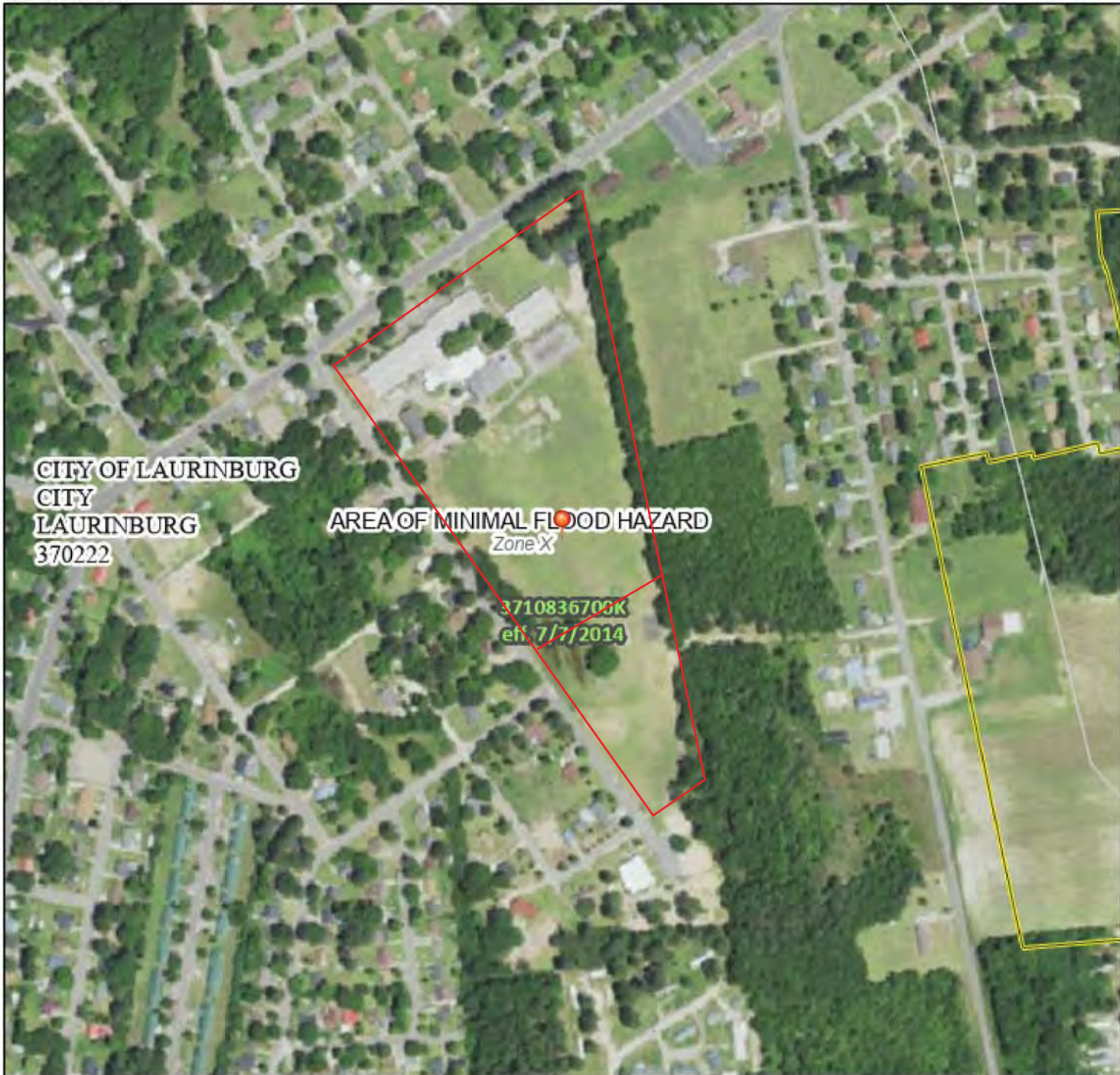


FIGURE 3: FEMA FLOOD MAP

National Flood Hazard Layer FIRMMette



79°26'59"W 34°47'5"N



1:6,000

79°26'22"W 34°46'36"N

Basemap Imagery Source: USGS National Map 2023

Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) Zone A, V, A99
		With BFE or Depth Zone AE, AO, AH, VE, AR
		Regulatory Floodway
OTHER AREAS OF FLOOD HAZARD		0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
		Future Conditions 1% Annual Chance Flood Hazard Zone X
		Area with Reduced Flood Risk due to Levee. See Notes. Zone X
		Area with Flood Risk due to Levee Zone D
OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard Zone X
		Effective LOMRs
		Area of Undetermined Flood Hazard Zone D
GENERAL STRUCTURES		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall
OTHER FEATURES		20.2 Cross Sections with 1% Annual Chance
		17.5 Water Surface Elevation
		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
		Coastal Transect Baseline
		Profile Baseline
MAP PANELS		Digital Data Available
		No Digital Data Available
		Unmapped



The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 7/14/2025 at 5:18 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

FIGURE 5: WETLAND MAP



U.S. Fish and Wildlife Service

National Wetlands Inventory

IE Johnson Housing



July 14, 2025

Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland

- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond

- Lake
- Other
- Riverine

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

APPENDIX II: EDR Radius Map



I Ellis Johnson Multi-Family Housing Project

Corona Avenue

Laurinburg, NC 28352

Inquiry Number: 8037901.2s

July 03, 2025

The EDR Radius Map™ Report with GeoCheck®



6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

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with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E1527 - 21), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E2247 - 16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E1528 - 22) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

CORONA AVENUE
LAURINBURG, NC 28352

COORDINATES

Latitude (North): 34.7803110 - 34° 46' 49.11"
Longitude (West): 79.4443260 - 79° 26' 39.57"
Universal Tranverse Mercator: Zone 17
UTM X (Meters): 642345.6
UTM Y (Meters): 3849586.5
Elevation: 220 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 50020599 LAURINBURG, NC
Version Date: 2022

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from: 20221004
Source: USDA

MAPPED SITES SUMMARY

Target Property Address:
CORONA AVENUE
LAURINBURG, NC 28352

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
A1	FORMER IE JOHNSON BL	815 MCGIRTS BRIDGE R	ASBESTOS	Lower	1 ft.
A2	I. ELLIS JOHNSON MID	815 MCGIRT'S BRIDGE	UST	Lower	1 ft.
A3	I. ELLIS JOHNSON MID	815 MCGIRT S BRIDGE	FINDS	Lower	1 ft.
B4	LAURINBURG FOOD MART	609 PRODUCE MARKET R	UST	Lower	593, 0.112, NNE
B5	LAURINBURG FOOD MART	609 PRODUCE MARKET R	UST FINDER, UST FINDER RELEASE	Lower	593, 0.112, NNE
6	LAURINBURG FOOD MART	1201 PRODUCE MARKET	LUST, LUST TRUST, INST CONTROL	Higher	2334, 0.442, North
7	PATS PLACE	S. MAIN ST.	IMD	Higher	2410, 0.456, WNW
8	PEE DEE TIMBER CO	230 W BIZZELL ST	SHWS	Higher	5036, 0.954, West

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR’s search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal NPL (Superfund) sites

NPL..... National Priority List
Proposed NPL..... Proposed National Priority List Sites
NPL LIENS..... Federal Superfund Liens

Lists of Federal Delisted NPL sites

Delisted NPL..... National Priority List Deletions

Lists of Federal sites subject to CERCLA removals and CERCLA orders

FEDERAL FACILITY..... Federal Facility Site Information listing
SEMS..... Superfund Enterprise Management System

Lists of Federal CERCLA sites with NFRAP

SEMS-ARCHIVE..... Superfund Enterprise Management System Archive

Lists of Federal RCRA facilities undergoing Corrective Action

CORRACTS..... Corrective Action Report

Lists of Federal RCRA TSD facilities

RCRA-TSDF..... RCRA - Treatment, Storage and Disposal

Lists of Federal RCRA generators

RCRA-LQG..... RCRA - Large Quantity Generators
RCRA-SQG..... RCRA - Small Quantity Generators
RCRA-VSQG..... RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

Federal institutional controls / engineering controls registries

LUCIS..... Land Use Control Information System

EXECUTIVE SUMMARY

US ENG CONTROLS..... Engineering Controls Sites List
US INST CONTROLS..... Institutional Controls Sites List

Federal ERNS list

ERNS..... Emergency Response Notification System

Lists of state- and tribal (Superfund) equivalent sites

NC HSDS..... Hazardous Substance Disposal Site

Lists of state and tribal landfills and solid waste disposal facilities

SWF/LF..... List of Solid Waste Facilities
OLI..... Old Landfill Inventory
DEBRIS..... Solid Waste Active Disaster Debris Sites Listing
LCID..... Land-Clearing and Inert Debris (LCID) Landfill Notifications

Lists of state and tribal leaking storage tanks

LAST..... Leaking Aboveground Storage Tanks
INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land

Lists of state and tribal registered storage tanks

FEMA UST..... Underground Storage Tank Listing
AST..... AST Database
INDIAN UST..... Underground Storage Tanks on Indian Land

Lists of state and tribal voluntary cleanup sites

VCP..... Responsible Party Voluntary Action Sites
INDIAN VCP..... Voluntary Cleanup Priority Listing

Lists of state and tribal brownfield sites

BROWNFIELDS..... Brownfields Projects Inventory

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS..... A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

SWRCY..... Recycling Center Listing
HIST LF..... Solid Waste Facility Listing
INDIAN ODI..... Report on the Status of Open Dumps on Indian Lands
ODI..... Open Dump Inventory
DEBRIS REGION 9..... Torres Martinez Reservation Illegal Dump Site Locations
IHS OPEN DUMPS..... Open Dumps on Indian Land

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL..... Delisted National Clandestine Laboratory Register

EXECUTIVE SUMMARY

US CDL..... National Clandestine Laboratory Register

Local Land Records

LIENS 2..... CERCLA Lien Information

Records of Emergency Release Reports

HMIRS..... Hazardous Materials Information Reporting System
 SPILLS..... Spills Incident Listing
 SPILLS 90..... SPILLS 90 data from FirstSearch
 SPILLS 80..... SPILLS 80 data from FirstSearch

Other Ascertainable Records

RCRA NonGen / NLR..... RCRA - Non Generators / No Longer Regulated
 FUDS..... Formerly Used Defense Sites
 DOD..... Department of Defense Sites
 SCRDRYCLEANERS..... State Coalition for Remediation of Drycleaners Listing
 US FIN ASSUR..... Financial Assurance Information
 EPA WATCH LIST..... EPA WATCH LIST
 2020 COR ACTION..... 2020 Corrective Action Program List
 TSCA..... Toxic Substances Control Act
 TRIS..... Toxic Chemical Release Inventory System
 SSTs..... Section 7 Tracking Systems
 ROD..... Records Of Decision
 RMP..... Risk Management Plans
 RAATS..... RCRA Administrative Action Tracking System
 PRP..... Potentially Responsible Parties
 PADS..... PCB Activity Database System
 ICIS..... Integrated Compliance Information System
 FTTS..... FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
 MLTS..... Material Licensing Tracking System
 COAL ASH DOE..... Steam-Electric Plant Operation Data
 COAL ASH EPA..... Coal Combustion Residues Surface Impoundments List
 PCB TRANSFORMER..... PCB Transformer Registration Database
 RADINFO..... Radiation Information Database
 HIST FTTS..... FIFRA/TSCA Tracking System Administrative Case Listing
 DOT OPS..... Incident and Accident Data
 CONSENT..... Superfund (CERCLA) Consent Decrees
 INDIAN RESERV..... Indian Reservations
 FUSRAP..... Formerly Utilized Sites Remedial Action Program
 UMTRA..... Uranium Mill Tailings Sites
 LEAD SMELTERS..... Lead Smelter Sites
 US AIRS..... Aerometric Information Retrieval System Facility Subsystem
 US MINES..... Mines Master Index File
 MINES MRDS..... Mineral Resources Data System
 ABANDONED MINES..... Abandoned Mines
 ECHO..... Enforcement & Compliance History Information
 UXO..... Unexploded Ordnance Sites
 DOCKET HWC..... Hazardous Waste Compliance Docket Listing
 FUELS PROGRAM..... EPA Fuels Program Registered Listing
 PFAS NPL..... Superfund Sites with PFAS Detections Information
 PFAS FEDERAL SITES..... Federal Sites PFAS Information

EXECUTIVE SUMMARY

PFAS TSCA.....	PFAS Manufacture and Imports Information
PFAS TRIS.....	List of PFAS Added to the TRI
PFAS RCRA MANIFEST.....	PFAS Transfers Identified In the RCRA Database Listing
PFAS ATSDR.....	PFAS Contamination Site Location Listing
PFAS WQP.....	Ambient Environmental Sampling for PFAS
PFAS PROJECT.....	NORTHEASTERN UNIVERSITY PFAS PROJECT
PFAS NPDES.....	Clean Water Act Discharge Monitoring Information
PFAS ECHO.....	Facilities in Industries that May Be Handling PFAS Listing
PFAS ECHO FIRE TRAIN.....	Facilities in Industries that May Be Handling PFAS Listing
PFAS PT 139 AIRPORT.....	All Certified Part 139 Airports PFAS Information Listing
AQUEOUS FOAM NRC.....	Aqueous Foam Related Incidents Listing
BIOSOLIDS.....	ICIS-NPDES Biosolids Facility Data
E MANIFEST.....	Hazardous Waste Electronic Manifest System
PFAS.....	PFAS Contamination Site Listing
AIRS.....	Air Quality Permit Listing
CCB.....	Coal Ash Structural Fills (CCB) Listing
COAL ASH.....	Coal Ash Disposal Sites
DRYCLEANERS.....	Drycleaning Sites
Financial Assurance.....	Financial Assurance Information Listing
NPDES.....	NPDES Facility Location Listing
PCSRP.....	Petroleum-Contaminated Soil Remediation Permits
SEPT HAULERS.....	Permitted Septage Haulers Listing
UIC.....	Underground Injection Wells Listing
AOP.....	Animal Operation Permits Listing

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP.....	EDR Proprietary Manufactured Gas Plants
EDR Hist Auto.....	EDR Exclusive Historical Auto Stations
EDR Hist Cleaner.....	EDR Exclusive Historical Cleaners

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA HWS.....	Recovered Government Archive State Hazardous Waste Facilities List
RGA LF.....	Recovered Government Archive Solid Waste Facilities List
RGA LUST.....	Recovered Government Archive Leaking Underground Storage Tank

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property. Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

EXECUTIVE SUMMARY

STANDARD ENVIRONMENTAL RECORDS

Lists of state- and tribal hazardous waste facilities

SHWS: The State Hazardous Waste Sites records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. The data come from the Department of Environment & Natural Resources' Inactive Hazardous Sites Program.

A review of the SHWS list, as provided by EDR, and dated 01/31/2025 has revealed that there is 1 SHWS site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
PEE DEE TIMBER CO Facility Id: NCD982080152	230 W BIZZELL ST	W 1/2 - 1 (0.954 mi.)	8	19

Lists of state and tribal leaking storage tanks

LUST: The Leaking Underground Storage Tank Incidents Management Database contains an inventory of reported leaking underground storage tank incidents. The data come from the Department of Environment, & Natural Resources' Incidents by Address.

A review of the LUST list, as provided by EDR, and dated 01/24/2025 has revealed that there is 1 LUST site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
LAURINBURG FOOD MART Incident Phase: CO Incident Number: 29993 Incident Number: 48845 Current Status: File Located in Archives Current Status: File Located in House	1201 PRODUCE MARKET	N 1/4 - 1/2 (0.442 mi.)	6	13

LUST TRUST: This database contains information about claims against the State Trust Funds for reimbursements for expenses incurred while remediating Leaking USTs.

A review of the LUST TRUST list, as provided by EDR, and dated 12/27/2024 has revealed that there is 1 LUST TRUST site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
LAURINBURG FOOD MART Facility Id: 00-0-0000009375 Site ID: 29993	1201 PRODUCE MARKET	N 1/4 - 1/2 (0.442 mi.)	6	13

EXECUTIVE SUMMARY

Lists of state and tribal registered storage tanks

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the Department of Environment & Natural Resources' Petroleum Underground Storage Tank Database.

A review of the UST list, as provided by EDR, and dated 01/24/2025 has revealed that there are 2 UST sites within approximately 0.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
I. ELLIS JOHNSON MID Tank Status: Removed Facility Id: 00-0-0000008729	815 MCGIRT'S BRIDGE	0 - 1/8 (0.000 mi.)	A2	8
LAURINBURG FOOD MART Tank Status: Current Tank Status: Temporarily Closed Tank Status: Removed Facility Id: 00-0-0000009375	609 PRODUCE MARKET R	NNE 0 - 1/8 (0.112 mi.)	B4	9

State and tribal institutional control / engineering control registries

INST CONTROL: No Further Action Sites With Land Use Restrictions Monitoring.

A review of the INST CONTROL list, as provided by EDR, and dated 01/31/2025 has revealed that there is 1 INST CONTROL site within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
LAURINBURG FOOD MART	1201 PRODUCE MARKET	N 1/4 - 1/2 (0.442 mi.)	6	13

ADDITIONAL ENVIRONMENTAL RECORDS

Records of Emergency Release Reports

IMD: Incident Management Database.

A review of the IMD list, as provided by EDR, and dated 01/24/2025 has revealed that there is 1 IMD site within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
PATS PLACE Facility Id: 7222	S. MAIN ST.	WNW 1/4 - 1/2 (0.456 mi.)	7	17

EXECUTIVE SUMMARY

Other Ascertainable Records

FINDS: The Facility Index System contains both facility information and "pointers" to other sources of information that contain more detail. These include: RCRIS; Permit Compliance System (PCS); Aerometric Information Retrieval System (AIRS); FATES (FIFRA [Federal Insecticide Fungicide Rodenticide Act] and TSCA Enforcement System, FTTS [FIFRA/TSCA Tracking System]; CERCLIS; DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes); Federal Underground Injection Control (FURS); Federal Reporting Data System (FRDS); Surface Impoundments (SIA); TSCA Chemicals in Commerce Information System (CICS); PADS; RCRA-J (medical waste transporters/disposers); TRIS; and TSCA. The source of this database is the U.S. EPA/NTIS.

A review of the FINDS list, as provided by EDR, and dated 04/22/2025 has revealed that there is 1 FINDS site within approximately 0.001 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
I. ELLIS JOHNSON MID Registry ID:: 110018828241	815 MCGIRT S BRIDGE	0 - 1/8 (0.000 mi.)	A3	9

UST FINDER RELEASE: US EPA's UST Finder data is a national composite of leaking underground storage tanks. This data contains information about, and locations of, leaking underground storage tanks. Data was collected from state sources and standardized into a national profile by EPA's Office of Underground Storage Tanks, Office of Research and Development, and the Association of State and Territorial Solid Waste Management Officials.

A review of the UST FINDER RELEASE list, as provided by EDR, and dated 06/08/2023 has revealed that there is 1 UST FINDER RELEASE site within approximately 0.5 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
LAURINBURG FOOD MART	609 PRODUCE MARKET R	NNE 0 - 1/8 (0.112 mi.)	B5	11

UST FINDER: EPA developed UST Finder, a web map application containing a comprehensive, state-sourced national map of underground storage tank (UST) and leaking UST (LUST) data. It provides the attributes and locations of active and closed USTs, UST facilities, and LUST sites from states and from Tribal lands and US territories. UST Finder contains information about proximity of UST facilities and LUST sites to: surface and groundwater public drinking water protection areas; estimated number of private domestic wells and number of people living nearby; and flooding and wildfires.

A review of the UST FINDER list, as provided by EDR, and dated 06/08/2023 has revealed that there is 1 UST FINDER site within approximately 0.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
LAURINBURG FOOD MART	609 PRODUCE MARKET R	NNE 0 - 1/8 (0.112 mi.)	B5	11

ASBESTOS: Asbestos notification sites

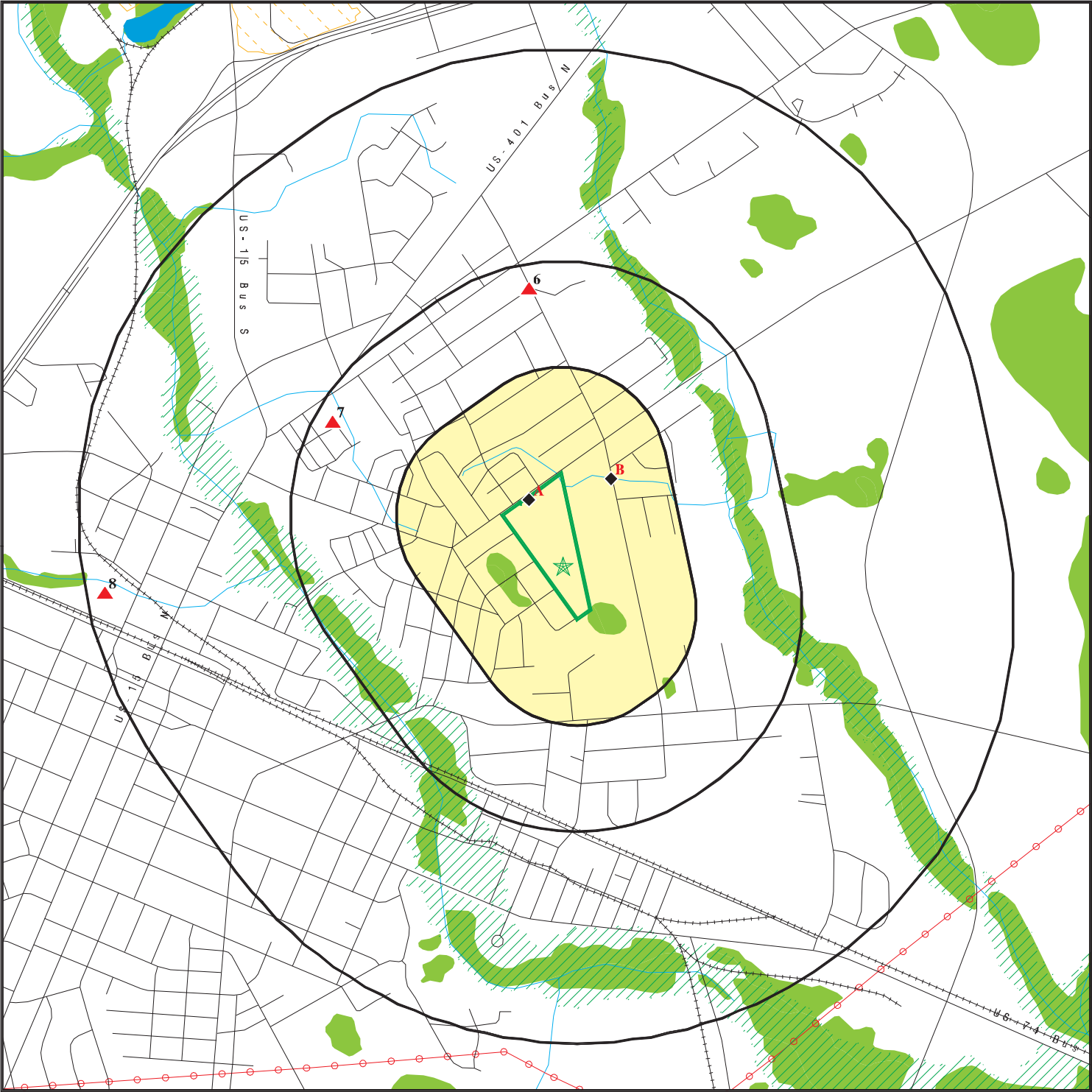
A review of the ASBESTOS list, as provided by EDR, and dated 01/31/2025 has revealed that there is 1 ASBESTOS site within approximately 0.001 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
FORMER IE JOHNSON BL	815 MCGIRTS BRIDGE R	0 - 1/8 (0.000 mi.)	A1	8

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 1 records.

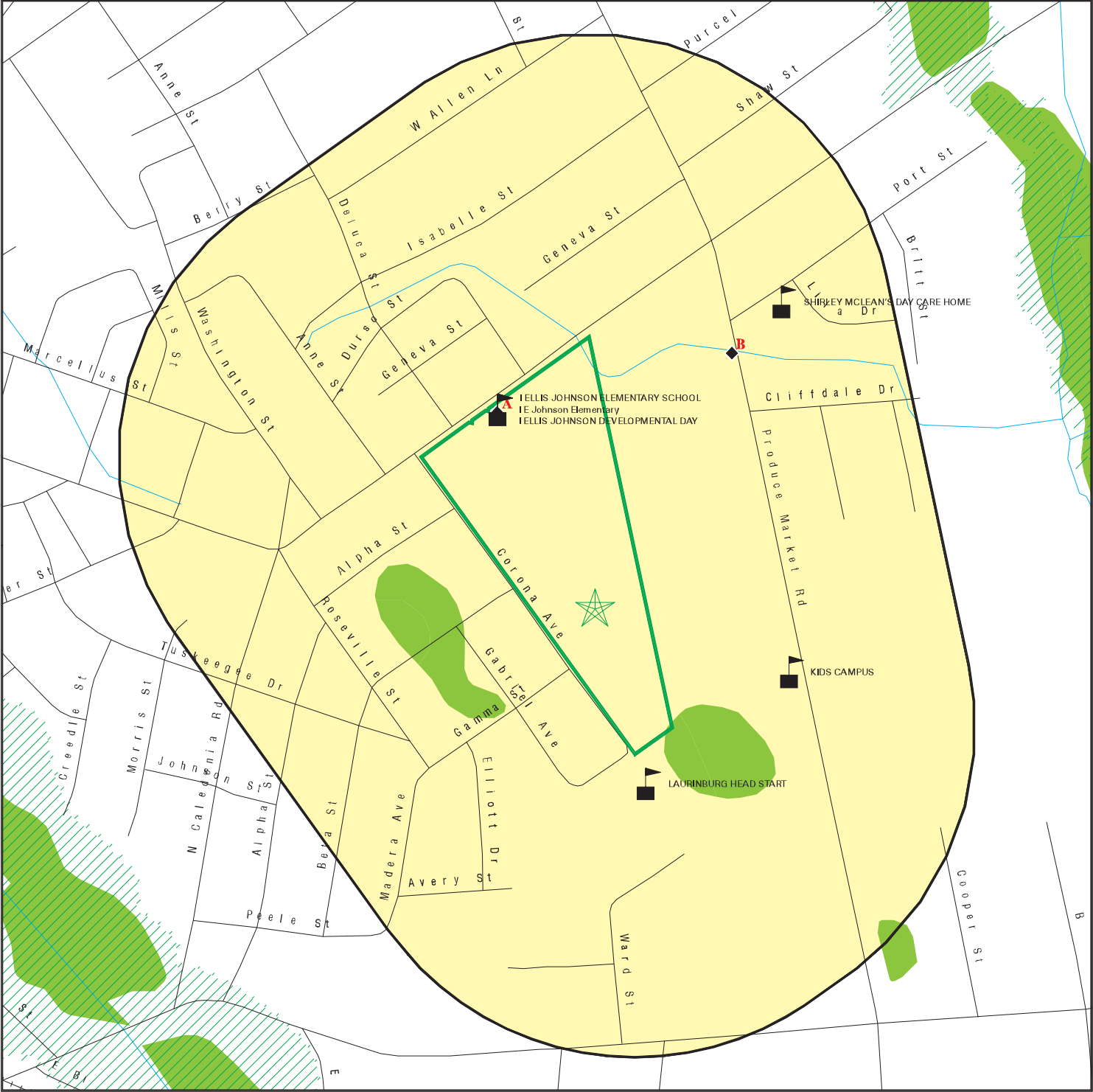
<u>Site Name</u>	<u>Database(s)</u>
EAST CHURCH ST CONTAMINATION	SHWS



- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Power transmission lines
- Special Flood Hazard Area (1%)
- 0.2% Annual Chance Flood Hazard
- National Wetland Inventory
- State Wetlands
- Hazardous Substance Disposal Sites

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME:	I Ellis Johnson Multi-Family Housing Project	CLIENT:	Locklear, Locklear & Jacobs, PLLC
ADDRESS:	Corona Avenue	CONTACT:	Miranda Horne
	Laurinburg NC 28352	INQUIRY #:	8037901.2s
LAT/LONG:	34.780311 / 79.444326	DATE:	July 03, 2025 12:58 pm



- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- Sensitive Receptors
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Special Flood Hazard Area (1%)
- 0.2% Annual Chance Flood Hazard
- National Wetland Inventory
- State Wetlands
- Hazardous Substance Disposal Sites

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: I Ellis Johnson Multi-Family Housing Project

ADDRESS: Corona Avenue

Laurinburg NC 28352

LAT/LONG: 34.780311 / 79.444326

CLIENT: Locklear, Locklear & Jacobs, PLLC

CONTACT: Miranda Horne

INQUIRY #: 8037901.2s

DATE: July 03, 2025 1:00 pm

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
<i>Lists of Federal NPL (Superfund) sites</i>								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	1.000		0	0	0	0	NR	0
<i>Lists of Federal Delisted NPL sites</i>								
Delisted NPL	1.000		0	0	0	0	NR	0
<i>Lists of Federal sites subject to CERCLA removals and CERCLA orders</i>								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
<i>Lists of Federal CERCLA sites with NFRAP</i>								
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
<i>Lists of Federal RCRA facilities undergoing Corrective Action</i>								
CORRACTS	1.000		0	0	0	0	NR	0
<i>Lists of Federal RCRA TSD facilities</i>								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
<i>Lists of Federal RCRA generators</i>								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		0	0	NR	NR	NR	0
RCRA-VSQG	0.250		0	0	NR	NR	NR	0
<i>Federal institutional controls / engineering controls registries</i>								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROLS	0.500		0	0	0	NR	NR	0
<i>Federal ERNS list</i>								
ERNS	0.001		0	NR	NR	NR	NR	0
<i>Lists of state- and tribal (Superfund) equivalent sites</i>								
NC HSIDS	1.000		0	0	0	0	NR	0
<i>Lists of state- and tribal hazardous waste facilities</i>								
SHWS	1.000		0	0	0	1	NR	1
<i>Lists of state and tribal landfills and solid waste disposal facilities</i>								
SWF/LF	0.500		0	0	0	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
OLI	0.500		0	0	0	NR	NR	0
DEBRIS	0.500		0	0	0	NR	NR	0
LCID	0.500		0	0	0	NR	NR	0
<i>Lists of state and tribal leaking storage tanks</i>								
LAST	0.500		0	0	0	NR	NR	0
LUST	0.500		0	0	1	NR	NR	1
INDIAN LUST	0.500		0	0	0	NR	NR	0
LUST TRUST	0.500		0	0	1	NR	NR	1
<i>Lists of state and tribal registered storage tanks</i>								
FEMA UST	0.250		0	0	NR	NR	NR	0
UST	0.250		2	0	NR	NR	NR	2
AST	0.250		0	0	NR	NR	NR	0
INDIAN UST	0.250		0	0	NR	NR	NR	0
<i>State and tribal institutional control / engineering control registries</i>								
INST CONTROL	0.500		0	0	1	NR	NR	1
<i>Lists of state and tribal voluntary cleanup sites</i>								
VCP	0.500		0	0	0	NR	NR	0
INDIAN VCP	0.500		0	0	0	NR	NR	0
<i>Lists of state and tribal brownfield sites</i>								
BROWNFIELDS	0.500		0	0	0	NR	NR	0
<u>ADDITIONAL ENVIRONMENTAL RECORDS</u>								
<i>Local Brownfield lists</i>								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
<i>Local Lists of Landfill / Solid Waste Disposal Sites</i>								
SWRCY	0.500		0	0	0	NR	NR	0
HIST LF	0.500		0	0	0	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
<i>Local Lists of Hazardous waste / Contaminated Sites</i>								
US HIST CDL	0.001		0	NR	NR	NR	NR	0
US CDL	0.001		0	NR	NR	NR	NR	0
<i>Local Land Records</i>								
LIENS 2	0.001		0	NR	NR	NR	NR	0
<i>Records of Emergency Release Reports</i>								
HMIRS	0.001		0	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
SPILLS	0.001		0	NR	NR	NR	NR	0
IMD	0.500		0	0	1	NR	NR	1
SPILLS 90	0.001		0	NR	NR	NR	NR	0
SPILLS 80	0.001		0	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		0	0	NR	NR	NR	0
FUDS	1.000		0	0	0	0	NR	0
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	0.001		0	NR	NR	NR	NR	0
EPA WATCH LIST	0.001		0	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	0.001		0	NR	NR	NR	NR	0
TRIS	0.001		0	NR	NR	NR	NR	0
SSTS	0.001		0	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	0.001		0	NR	NR	NR	NR	0
RAATS	0.001		0	NR	NR	NR	NR	0
PRP	0.001		0	NR	NR	NR	NR	0
PADS	0.001		0	NR	NR	NR	NR	0
ICIS	0.001		0	NR	NR	NR	NR	0
FTTS	0.001		0	NR	NR	NR	NR	0
MLTS	0.001		0	NR	NR	NR	NR	0
COAL ASH DOE	0.001		0	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	0.001		0	NR	NR	NR	NR	0
RADINFO	0.001		0	NR	NR	NR	NR	0
HIST FTTS	0.001		0	NR	NR	NR	NR	0
DOT OPS	0.001		0	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	0.001		0	NR	NR	NR	NR	0
US AIRS	0.001		0	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
MINES MRDS	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.250		0	0	NR	NR	NR	0
FINDS	0.001		1	NR	NR	NR	NR	1
ECHO	0.001		0	NR	NR	NR	NR	0
UXO	1.000		0	0	0	0	NR	0
DOCKET HWC	0.001		0	NR	NR	NR	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
PFAS NPL	0.250		0	0	NR	NR	NR	0
PFAS FEDERAL SITES	0.250		0	0	NR	NR	NR	0
PFAS TSCA	0.250		0	0	NR	NR	NR	0
PFAS TRIS	0.250		0	0	NR	NR	NR	0
PFAS RCRA MANIFEST	0.250		0	0	NR	NR	NR	0
PFAS ATSDR	0.250		0	0	NR	NR	NR	0
PFAS WQP	0.250		0	0	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
PFAS PROJECT	0.250		0	0	NR	NR	NR	0
PFAS NPDES	0.250		0	0	NR	NR	NR	0
PFAS ECHO	0.250		0	0	NR	NR	NR	0
PFAS ECHO FIRE TRAIN	0.250		0	0	NR	NR	NR	0
PFAS PT 139 AIRPORT	0.250		0	0	NR	NR	NR	0
AQUEOUS FOAM NRC	0.250		0	0	NR	NR	NR	0
BIOSOLIDS	0.001		0	NR	NR	NR	NR	0
UST FINDER RELEASE	0.500		1	0	0	NR	NR	1
UST FINDER	0.250		1	0	NR	NR	NR	1
E MANIFEST	0.250		0	0	NR	NR	NR	0
PFAS	0.250		0	0	NR	NR	NR	0
AIRS	0.001		0	NR	NR	NR	NR	0
ASBESTOS	0.001		1	NR	NR	NR	NR	1
CCB	0.500		0	0	0	NR	NR	0
COAL ASH	0.500		0	0	0	NR	NR	0
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
Financial Assurance	0.001		0	NR	NR	NR	NR	0
NPDES	0.001		0	NR	NR	NR	NR	0
PCSRP	0.500		0	0	0	NR	NR	0
SEPT HAULERS	0.001		0	NR	NR	NR	NR	0
UIC	0.001		0	NR	NR	NR	NR	0
AOP	0.001		0	NR	NR	NR	NR	0

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP	1.000		0	0	0	0	NR	0
EDR Hist Auto	0.125		0	NR	NR	NR	NR	0
EDR Hist Cleaner	0.125		0	NR	NR	NR	NR	0

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA HWS	0.001		0	NR	NR	NR	NR	0
RGA LF	0.001		0	NR	NR	NR	NR	0
RGA LUST	0.001		0	NR	NR	NR	NR	0

- Totals --		0	6	0	4	1	0	11
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NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A1 **FORMER IE JOHNSON BLOCK BUILDING & BRICK BUILDING**
815 MCGIRTS BRIDGE ROAD
LAURINBURG, NC
< 1/8
1 ft.

ASBESTOS **S129305029**
N/A

Site 1 of 3 in cluster A

Relative:
Lower

ASBESTOS:

Actual:
219 ft.

Name: FORMER IE JOHNSON BLOCK BUILDING & BRICK BUILDING
Address: 815 MCGIRTS BRIDGE ROAD
City,State,Zip: LAURINBURG, NC
Permit Number: Not reported
NESHAP Number: 67212
Contractor: Scotland County
Owner Name: Scotland County
Phone: (910) 277-2406
Removal Start Date: Not reported
Removal End Date: Not reported
Demo Start Date: 05-17-22
Demo End Date: 06-30-22
Linear Feet: 0
Square Feet: 0
Cubic Feet: 0
Type: D

A2 **I. ELLIS JOHNSON MIDDLE SCHOOL**
815 MCGIRT'S BRIDGE ROAD
LAURINBURG, NC 28352
< 1/8
1 ft.

UST **U000330720**
N/A

Site 2 of 3 in cluster A

Relative:
Lower

UST:

Actual:
219 ft.

Name: I. ELLIS JOHNSON MIDDLE SCHOOL
Address: 815 MCGIRT'S BRIDGE ROAD
City,State,Zip: LAURINBURG, NC 28352
Facility Id: 00-0-0000008729
Contact: SCOTLAND COUNTY BOE
Contact Address1: C/O MAINT DPT/15901 MCFARLAND RD
Contact Address2: Not reported
Contact City/State/Zip: LAURINBURG, NC 28352-7290
FIPS County Desc: Scotland
Latitude: 34.78219
Longitude: -79.44581

[Click here to access the North Carolina DEQ records for this facility:](#)

Tank Id: 1
Tank Status: Removed
Installed Date: 03/13/1972
Perm Close Date: 12/21/1998
Product Name: Fuel Oil
Tank Capacity: 10000
Root Tank Id: Not reported
Main Tank: No
Compartment Tank: No
Manifold Tank: Not reported
Commercial: Yes
Regulated: No
Other CP Tank: Not reported
Overfill Protection Name: Not reported

Map ID	MAP FINDINGS		
Direction			EDR ID Number
Distance			EPA ID Number
Elevation	Site	Database(s)	

I. ELLIS JOHNSON MIDDLE SCHOOL (Continued)

U000330720

Spill Protection Name: Not reported
Leak Detection Name: Not reported
Decode for TCONS_KEY: Single Wall Steel
Decode for PCONS_KEY: Not reported
Decode for PSYS_KEY: Unknown

A3
< 1/8
1 ft.

I. ELLIS JOHNSON MIDDLE SCHOO
815 MCGIRT S BRIDGE ROAD
LAURINBURG, NC 28352

FINDS 1007726184
N/A

Site 3 of 3 in cluster A

Relative: FINDS:
Lower Registry ID: 110018828241

Actual: 219 ft.

[Click Here for FRS Facility Detail Report:](#)

Environmental Interest/Information System:
The North Carolina Facility Identification Template for States (NC-FITS) derives FRS data for submittal to EPA via the central data exchange.

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

B4
NNE
< 1/8
0.112 mi.
593 ft.

LAURINBURG FOOD MART
609 PRODUCE MARKET RD
LAURINBURG, NC 28352

UST U003143792
N/A

Site 1 of 2 in cluster B

Relative: UST:
Lower Name: LAURINBURG FOOD MART

Actual: 216 ft.

Address: 609 PRODUCE MARKET RD
City,State,Zip: LAURINBURG, NC 28352
Facility Id: 00-0-0000009375
Contact: GIBSON OIL & GAS CO INC
Contact Address1: 9340 MORGAN STREET
Contact Address2: Not reported
Contact City/State/Zip: LAUREL HILL, NC 28351-9362
FIPS County Desc: Scotland
Latitude: 34.79036
Longitude: -79.44612

[Click here to access the North Carolina DEQ records for this facility:](#)

Tank Id: 1
Tank Status: Current
Installed Date: 04/28/1984
Perm Close Date: Not reported
Product Name: Gasoline Gas Mix
Tank Capacity: 8000
Root Tank Id: Not reported
Main Tank: No
Compartment Tank: No
Manifold Tank: 0
Commercial: Yes

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LAURINBURG FOOD MART (Continued)

U003143792

Regulated: Yes
Other CP Tank: Not reported
Overfill Protection Name: Not reported
Spill Protection Name: Not reported
Leak Detection Name: Not reported
Decode for TCONS_KEY: Single Wall Steel
Decode for PCONS_KEY: Not reported
Decode for PSYS_KEY: Pressurized System

Tank Id: 2
Tank Status: Current
Installed Date: 04/28/1984
Perm Close Date: Not reported
Product Name: Gasoline Gas Mix
Tank Capacity: 6000
Root Tank Id: Not reported
Main Tank: No
Compartment Tank: No
Manifold Tank: 0
Commercial: Yes
Regulated: Yes
Other CP Tank: Not reported
Overfill Protection Name: Not reported
Spill Protection Name: Not reported
Leak Detection Name: Not reported
Decode for TCONS_KEY: Single Wall Steel
Decode for PCONS_KEY: Not reported
Decode for PSYS_KEY: Pressurized System

Tank Id: 3
Tank Status: Temporarily Closed
Installed Date: 04/28/1984
Perm Close Date: Not reported
Product Name: Gasoline Gas Mix
Tank Capacity: 4000
Root Tank Id: Not reported
Main Tank: No
Compartment Tank: No
Manifold Tank: 0
Commercial: Yes
Regulated: Yes
Other CP Tank: Not reported
Overfill Protection Name: Not reported
Spill Protection Name: Not reported
Leak Detection Name: Not reported
Decode for TCONS_KEY: Single Wall Steel
Decode for PCONS_KEY: Not reported
Decode for PSYS_KEY: Pressurized System

Tank Id: 4
Tank Status: Removed
Installed Date: 04/28/1984
Perm Close Date: Not reported
Product Name: Kerosene Kero Mix

Map ID	MAP FINDINGS			
Direction				EDR ID Number
Distance				EPA ID Number
Elevation	Site	Database(s)		

LAURINBURG FOOD MART (Continued)

U003143792

Tank Capacity: 1000
Root Tank Id: Not reported
Main Tank: No
Compartment Tank: No
Manifold Tank: 0
Commercial: Yes
Regulated: Yes
Other CP Tank: Not reported
Overfill Protection Name: Not reported
Spill Protection Name: Not reported
Leak Detection Name: Not reported
Decode for TCONS_KEY: Single Wall Steel
Decode for PCONS_KEY: Not reported
Decode for PSYS_KEY: European Suction

B5	LAURINBURG FOOD MART	UST FINDER	1028502723
NNE	609 PRODUCE MARKET RD	UST FINDER RELEASE	N/A
< 1/8	LAURINBURG, NC 28352		
0.112 mi.			
593 ft.	Site 2 of 2 in cluster B		
Relative:	UST FINDER:		
Lower	Object ID:	587084	
	Facility ID:	NC00-0-0000009375	
Actual:	Name:	LAURINBURG FOOD MART	
216 ft.	Address:	609 PRODUCE MARKET RD	
	City,State,Zip:	LAURINBURG, NC 28352	
	Address Match Type:	Not reported	
	Open USTs:	4	
	Closed USTs:	0	
	TOS USTs:	0	
	Population 1500ft:	387	
	Private Wells 1500ft:	21	
	Within 100yr Floodplain:	No	
	Land Use:	Developed, Low Intensity	
	Within SPA:	No	
	SPA PWS Facility ID:	Not reported	
	SPA Water Type:	Not reported	
	SPA Facility Type:	Not reported	
	SPA HUC12:	Not reported	
	Within WHPA:	No	
	WHPA PWS Facility ID:	Not reported	
	WHPA Water Type:	Not reported	
	WHPA Facility Type:	Not reported	
	WHPA HUC12:	Not reported	
	Facility Status:	Open UST(s)	
	Date of Last Inspection:	Not reported	
	EPA Region:	4	
	Tribe:	Not reported	
	Coordinate Source:	State	
	X Coord:	-79.4461219999999	
	Y Coord:	34.7903690000001	
	Latitude:	34.790369	
	Longitude:	-79.446122	
	UST FINDER:		
	Object ID:	1394418	
	Facility ID:	NC00-0-0000009375	

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LAURINBURG FOOD MART (Continued)

1028502723

Tank ID: NC00-0-0000009375_4
Tank Status: Open
Installation Date: 1984/04/28 16:00:00+00
Removal Date: Not reported
Tank Capacity: 1000
Substances: Kerosene, Kero Mix
Tank Wall Type: Single

Object ID: 1394419
Facility ID: NC00-0-0000009375
Tank ID: NC00-0-0000009375_3
Tank Status: Open
Installation Date: 1984/04/28 16:00:00+00
Removal Date: Not reported
Tank Capacity: 4000
Substances: Gasoline, Gas Mix
Tank Wall Type: Single

Object ID: 1394420
Facility ID: NC00-0-0000009375
Tank ID: NC00-0-0000009375_2
Tank Status: Open
Installation Date: 1984/04/28 16:00:00+00
Removal Date: Not reported
Tank Capacity: 6000
Substances: Gasoline, Gas Mix
Tank Wall Type: Single

Object ID: 1394421
Facility ID: NC00-0-0000009375
Tank ID: NC00-0-0000009375_1
Tank Status: Open
Installation Date: 1984/04/28 16:00:00+00
Removal Date: Not reported
Tank Capacity: 8000
Substances: Gasoline, Gas Mix
Tank Wall Type: Single

UST FINDER RELEASE:

Object ID: 281796
Facility ID: NC00-0-0000009375
Lust ID: NC11138
Name: LAURINBURG FOOD MART
Address: 1201 PRODUCE MARKET ROAD
City,State,Zip: LAURINBURG, NC 0
Address Match Type: Not reported
Reported Date: 2016/04/26 15:59:59+00
Status: No Further Action
Substance: Not reported
Population within 1500ft: 404
Domestic Wells within 1500ft: 22
Land Use: Developed, Low Intensity
Within SPA: No
SPA PWS Facility ID: Not reported
SPA Water Type: Not reported
SPA Facility Type: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LAURINBURG FOOD MART (Continued)

1028502723

SPA HUC12: Not reported
Within WHPA: No
WHPA PWS Facility ID: Not reported
WHPA Water Type: Not reported
WHPA Facility Type: Not reported
WHPA HUC12: Not reported
Within 100yr Floodplain: No
Tribe: Not reported
EPA Region: 4
NFA Letter 1: Not reported
NFA Letter 2: Not reported
NFA Letter 3: Not reported
NFA Letter 4: Not reported
Closed With Residual Contaminate: Not reported
Coordinate Source: State
X Coord: -79.44631
Y Coord: 34.79022
Latitude: 34.7902199999999
Longitude: -79.4463099999999

6
North
1/4-1/2
0.442 mi.
2334 ft.

LAURINBURG FOOD MART
1201 PRODUCE MARKET ROAD
LAURINBURG, NC 28352

LUST **S118755826**
LUST TRUST **N/A**
INST CONTROL

Relative:
Higher
Actual:
227 ft.

LUST:
Name: LAURINBURG FOOD MART
Address: 1201 PRODUCE MARKET ROAD
City,State,Zip: LAURINBURG, NC 28352-2703
Facility ID: 00-0-0000009375
UST Number: FA-7704
Incident Number: 29993
Source Type: 3
Date Reported: 04/26/2016
Closure Request: Not reported
Close Out: 09/01/2016
Level Of Soil Cleanup Achieved: S1
Of Supply Wells: 0
Commercial/NonCommercial UST Site: C
Risk Classification: L
Risk Class Based On Review: L
Corrective Action Plan Type: Not reported
NOV Issue Date: Not reported
Site Priority: Not reported
Phase Of LSA Req: Not reported
Site Risk Reason: Not reported
Land Use: RES
MTBE: 0
MTBE1: N
Flag: 0
Flag1: Not reported
LUR Filed: 09/13/2016
GPS Confirmed: 31
Current Status Code: A
Current Status: Archived
RBCA GW: G2
PETOPT: 3

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LAURINBURG FOOD MART (Continued)

S118755826

RPL: True
CD Num: 0
Reel Num: Not reported
RPOW: True
RPOP: False
Error Flag: Not reported
Error Code: N
Valid: False
Testlat: Not reported
Regional Officer Project Mgr: KEC
Company: GIBSON OIL & GAS COMPANY, INC.
Telephone: 9104622155
5 Min Quad: Not reported

LUST:
ERR Type: Not reported
UST Number: FA-7704
Facility Id: 29993
Date Occurred: 3/29/2016
Date Reported: Not reported
Owner/Operator: Not reported
Ownership: 4
Operation Type: 6
Type: 3
Location: 1
Priority Update: Not reported
Wells Affected Y/N: N
Samples Include: Not reported
7#5 Minute Quad: Y
5 Minute Quad: Not reported
Pirf/Min Soil: Not reported
Release Code: Not reported
Source Code: Not reported
Err Type: 2
Cause: 7
Source: 1
UST Number: P

LUST:
Incident Number: 29993
Last Modified: 9/1/2016
Incident Phase: CO
NOV Issued: Not reported
NORR Issued: Not reported
45 Day Report: Not reported
Public Meeting Held: Not reported
SOC Signed: Not reported
Reclassification Report: Not reported
RS Designation: Not reported
Closure Request Date: Not reported
Close-out Report: Not reported

Name: LAURINBURG FOOD MART
Address: 1201 PRODUCE MARKET ROAD
City,State,Zip: LAURINBURG, NC 28352
Facility ID: 00-0-0000009375

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LAURINBURG FOOD MART (Continued)

S118755826

UST Number: FA-29726
Incident Number: 48845
Source Type: 3
Date Reported: 01/13/2023
Closure Request: Not reported
Close Out: 08/30/2023
Level Of Soil Cleanup Achieved: S1
Of Supply Wells: 0
Commercial/NonCommercial UST Site: C
Risk Classification: U
Risk Class Based On Review: L
Corrective Action Plan Type: Not reported
NOV Issue Date: Not reported
Site Priority: Not reported
Phase Of LSA Req: Not reported
Site Risk Reason: Not reported
Land Use: RES
MTBE: 0
MTBE1: N
Flag: 0
Flag1: Not reported
LUR Filed: 09/13/2016
GPS Confirmed: 30
Current Status Code: C
Current Status: Current
RBCA GW: G2
PETOPT: 3
RPL: False
CD Num: Not reported
Reel Num: Not reported
RPOW: False
RPOP: False
Error Flag: Not reported
Error Code: N
Valid: False
Testlat: Not reported
Regional Officer Project Mgr: KEC
Company: GIBSON GAS & OIL CO., INC.
Telephone: 9104622155
5 Min Quad: Not reported

LUST:

ERR Type: Not reported
UST Number: Not reported
Facility Id: 48845
Date Occurred: Not reported
Date Reported: Not reported
Owner/Operator: Not reported
Ownership: 4
Operation Type: 6
Type: 3
Location: 1
Priority Update: Not reported
Wells Affected Y/N: N
Samples Include: Not reported
7#5 Minute Quad: Y
5 Minute Quad: Not reported
Pirf/Min Soil: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LAURINBURG FOOD MART (Continued)

S118755826

Release Code: Not reported
Source Code: Not reported
Err Type: 9
Cause: 7
Source: F
UST Number: 2

LUST:

Incident Number: 48845
Last Modified: 8/30/2023
Incident Phase: CO
NOV Issued: Not reported
NORR Issued: 7/20/2023
45 Day Report: Not reported
Public Meeting Held: Not reported
SOC Signed: Not reported
Reclassification Report: Not reported
RS Designation: Not reported
Closure Request Date: Not reported
Close-out Report: Not reported

LUST TRUST:

Name: LAURINBURG FOOD MART
Address: 1201 PRODUCE MARKET ROAD
City,State,Zip: LAURINBURG, NC
Facility ID: 00-0-0000009375
Site ID: 29993
Site Note: Commercial; \$20,000 deductible; 100% eligible for costs that exceed the \$20,000 deductible.[CGS 9/11/17]
Site Eligible?: True
Commercial Find: 100% Commercial
Priority Rank: Not reported
Deductable Amount: 20000
3rd Party Deductable Amt: 0
Sum 3rd Party Amt Applied: 0

INST CONTROL:

Name: LAURINBURG FOOD MART
Address: 1201 PRODUCE MARKET ROAD
City,State,Zip: LAURINBURG, NC
Project Number: FA-7704
Object ID: Not reported
DWM Contact: Fayetteville Regional Office (910) 433-3300
DWM Program: Underground Storage Tank Section
Project Status: No Further Action
COC: Multi COC
Contamination Source: UST System
Received Date: 9/12/2016
Restricted Media: Multi-Media
Allowed Use: Media Restrictions Only
Certification: None
Plant Reception Date: Not reported
Instrument Status: Effective
Deed BK: Not reported
Deed PG: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LAURINBURG FOOD MART (Continued)

S118755826

Plat BK: Not reported
Plat PG: Not reported
Instrument: Notice and Restriction
Deed: Not reported
Deed Date: Recorded 9-12-2016
Plat: Not reported
Plat Date: Not reported
X Coord: 1866003.1516
Y Coord: 378885.63973

7
WNW
1/4-1/2
0.456 mi.
2410 ft.

PATS PLACE
S. MAIN ST.
LAURINBURG, NC

IMD S101523380
N/A

Relative:
Higher
Actual:
226 ft.

IMD:
Facility ID: 7222
Name: PATS PLACE
Address: S. MAIN ST.
City,State,Zip: LAURINBURG, NC
Date Occurred: 7/10/1990
Submit Date: 2/28/1992
Incident Desc: UPON REMOVAL OF UST, CONTAM. WAS DISCOVERED.
Operator: HERVEY EVANS
UST ID: Not reported
Incident ID: Not reported
Initials of UST Regional Contact: Not reported
Regional Office: Not reported
Responsible Party/Company Name: Not reported
Ownership: 4
Responsible Party Contact Name: Not reported
Operation: 6
Responsible Party Mailing Address: Not reported
Responsible Party City,State,Zip: Not reported
Ownership: Private
Operation Type: Commercial
Responsible Party County: Not reported
Source: Leak-underground
Type: GASOLINE/DIESEL
Location: 1
Petroleum Type: Not reported
Date Incident Reported: Not reported
Whether Tank is Commercial or Non Commercial: Not reported
Site Priority: 100E
Whether Tank is Regulated: Not reported
Priority Update: 4/15/1998
Notice of Regulatory Requirement: Not reported
Wells Affected: No
Notice of Violation: Not reported
Phase 1 or Phase 2: Not reported
Num Affected: 0
Site Priority: Not reported
Location: Facility
Current Risk Condition: Not reported
Sampled By: 3
Samples Include: 1
Initial reported risk of incident (never changes): Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PATS PLACE (Continued)

S101523380

7.5 Min Quad:	Not reported
5 Min Quad:	Not reported
Intermediate Condition Present:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Use of Land, Industrial:	Not reported
Corrective Action Plan Selected - up to 5:	Not reported
RBCA:	Not reported
Date Close Review Requested From RP or Owner:	Not reported
Date Case Closed:	Not reported
Extent of Contamination:	Not reported
Number of Supply Wells Located on Property:	Not reported
MTBE in Well Y/N/U Yes, No or Unknown:	Not reported
Facility Phone Number:	Not reported
MTBE in Groundwater Y/N/U Yes, No or Unknown:	Not reported
Date Land Use Restriction Filed:	Not reported
Date Cleanup Initiated:	Not reported
Record Status:	Not reported
RBCA GW Codes:	Not reported
RBCA GW:	Not reported
Pollutant Type Present:	Not reported
Reference Number for Media Disk for Archived Record:	Not reported
RP Owner?:	Not reported
RP Operator?:	Not reported
RP Landowner?:	Not reported
Comments:	Not reported
GW Contam:	Yes, Groundwater Contamination has been detected
Soil Contam:	No
Contact Phone:	Not reported
Owner Company:	SERVICE OIL CO.
Operator Address:	P.O. BOX 949
Operator City,State,Zip:	LAURINBURG, NC 28352
Operator County:	Not reported
Material:	GASOLINE
Qty Lost 1:	Not reported
Qty Recovered 1:	Not reported
Setting:	3
Risk Site:	L
Priority Code:	L
Dem Contact:	KEC
Wells Contam:	Not reported
Latitude Number:	Not reported
Longitude Number:	Not reported
Latitude Decimal:	Not reported
Longitude Decimal:	Not reported
GPS:	NOD
Agency:	Not reported

Status:

Facility ID:	7222
Last Modified:	2/16/2022
Incident Phase:	CO
NOV Issued:	Not reported
NORR Issued:	Not reported
45 Day Report:	Not reported
Public Meeting Held:	Not reported
Corrective Action Planned:	Not reported
SOC Sighned:	Not reported

Map ID	MAP FINDINGS		
Direction			EDR ID Number
Distance			EPA ID Number
Elevation	Site	Database(s)	

PATS PLACE (Continued)

S101523380

Reclassification Report:	Not reported
RS Designation:	Not reported
Closure Request Date:	Not reported
Close-out Report:	Not reported

8	PEE DEE TIMBER CO	SHWS	S110176638
West	230 W BIZZELL ST		N/A
1/2-1	LAURINBURG, NC		
0.954 mi.			
5036 ft.			
Relative:	SHWS:		
Higher	Name:	PEE DEE TIMBER CO	
	Address:	230 W BIZZELL ST	
Actual:	City,State,Zip:	LAURINBURG, NC	
224 ft.	EPAID:	NCD982080152	
	Lat/Longitude:	Not reported	
	Geolocation Method:	Not reported	

[Click here to access the North Carolina DEQ records for this facility:](#)

Name:	PEE DEE TIMBER CO
Address:	230 W BIZZELL ST
City,State,Zip:	LAURINBURG, NC
EPAID:	NCD982080152
Lat/Longitude:	34.77946 / -79.46331
Geolocation Method:	ON SCREEN PLACEMENT ON GEOREFERENCED MAP

[Click here to access the North Carolina DEQ records for this facility:](#)

Count: 1 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
LAURINBURG	S132346802	EAST CHURCH ST CONTAMINATION	EAST CHURCH ST		SHWS

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal NPL (Superfund) sites

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 03/27/2025	Source: EPA
Date Data Arrived at EDR: 04/01/2025	Telephone: N/A
Date Made Active in Reports: 04/24/2025	Last EDR Contact: 07/01/2025
Number of Days to Update: 23	Next Scheduled EDR Contact: 10/06/2025
	Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 03/27/2025	Source: EPA
Date Data Arrived at EDR: 04/01/2025	Telephone: N/A
Date Made Active in Reports: 04/24/2025	Last EDR Contact: 07/01/2025
Number of Days to Update: 23	Next Scheduled EDR Contact: 10/06/2025
	Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/15/1991
 Date Data Arrived at EDR: 02/02/1994
 Date Made Active in Reports: 03/30/1994
 Number of Days to Update: 56

Source: EPA
 Telephone: 202-564-4267
 Last EDR Contact: 08/15/2011
 Next Scheduled EDR Contact: 11/28/2011
 Data Release Frequency: No Update Planned

Lists of Federal Delisted NPL sites

Delisted NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 03/27/2025
 Date Data Arrived at EDR: 04/01/2025
 Date Made Active in Reports: 04/24/2025
 Number of Days to Update: 23

Source: EPA
 Telephone: N/A
 Last EDR Contact: 07/01/2025
 Next Scheduled EDR Contact: 10/06/2025
 Data Release Frequency: Quarterly

Lists of Federal sites subject to CERCLA removals and CERCLA orders

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 11/20/2024
 Date Data Arrived at EDR: 12/18/2024
 Date Made Active in Reports: 12/20/2024
 Number of Days to Update: 2

Source: Environmental Protection Agency
 Telephone: 703-603-8704
 Last EDR Contact: 06/20/2025
 Next Scheduled EDR Contact: 10/06/2025
 Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly known as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 03/27/2025
 Date Data Arrived at EDR: 04/01/2025
 Date Made Active in Reports: 04/24/2025
 Number of Days to Update: 23

Source: EPA
 Telephone: 800-424-9346
 Last EDR Contact: 07/01/2025
 Next Scheduled EDR Contact: 10/20/2025
 Data Release Frequency: Quarterly

Lists of Federal CERCLA sites with NFRAP

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be potential NPL site.

Date of Government Version: 03/27/2025	Source: EPA
Date Data Arrived at EDR: 04/01/2025	Telephone: 800-424-9346
Date Made Active in Reports: 04/24/2025	Last EDR Contact: 07/01/2025
Number of Days to Update: 23	Next Scheduled EDR Contact: 10/20/2025
	Data Release Frequency: Quarterly

Lists of Federal RCRA facilities undergoing Corrective Action

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 06/02/2025	Source: EPA
Date Data Arrived at EDR: 06/03/2025	Telephone: 800-424-9346
Date Made Active in Reports: 06/16/2025	Last EDR Contact: 06/03/2025
Number of Days to Update: 13	Next Scheduled EDR Contact: 09/29/2025
	Data Release Frequency: Quarterly

Lists of Federal RCRA TSD facilities

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 06/02/2025	Source: Environmental Protection Agency
Date Data Arrived at EDR: 06/04/2025	Telephone: (404) 562-8651
Date Made Active in Reports: 06/16/2025	Last EDR Contact: 06/04/2025
Number of Days to Update: 12	Next Scheduled EDR Contact: 09/29/2025
	Data Release Frequency: Quarterly

Lists of Federal RCRA generators

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 06/02/2025	Source: Environmental Protection Agency
Date Data Arrived at EDR: 06/04/2025	Telephone: (404) 562-8651
Date Made Active in Reports: 06/16/2025	Last EDR Contact: 06/04/2025
Number of Days to Update: 12	Next Scheduled EDR Contact: 09/29/2025
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 06/02/2025

Date Data Arrived at EDR: 06/04/2025

Date Made Active in Reports: 06/16/2025

Number of Days to Update: 12

Source: Environmental Protection Agency

Telephone: (404) 562-8651

Last EDR Contact: 06/04/2025

Next Scheduled EDR Contact: 09/29/2025

Data Release Frequency: Quarterly

RCRA-VSQG: RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Very small quantity generators (VSQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 06/02/2025

Date Data Arrived at EDR: 06/04/2025

Date Made Active in Reports: 06/16/2025

Number of Days to Update: 12

Source: Environmental Protection Agency

Telephone: (404) 562-8651

Last EDR Contact: 06/04/2025

Next Scheduled EDR Contact: 09/29/2025

Data Release Frequency: Quarterly

Federal institutional controls / engineering controls registries

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 03/11/2025

Date Data Arrived at EDR: 04/02/2025

Date Made Active in Reports: 06/24/2025

Number of Days to Update: 83

Source: Department of the Navy

Telephone: 843-820-7326

Last EDR Contact: 04/30/2025

Next Scheduled EDR Contact: 08/18/2025

Data Release Frequency: Varies

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 01/29/2025

Date Data Arrived at EDR: 02/18/2025

Date Made Active in Reports: 04/29/2025

Number of Days to Update: 70

Source: Environmental Protection Agency

Telephone: 703-603-0695

Last EDR Contact: 05/20/2025

Next Scheduled EDR Contact: 12/02/2024

Data Release Frequency: Varies

US INST CONTROLS: Institutional Controls Sites List

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 01/29/2025

Date Data Arrived at EDR: 02/18/2025

Date Made Active in Reports: 04/29/2025

Number of Days to Update: 70

Source: Environmental Protection Agency

Telephone: 703-603-0695

Last EDR Contact: 05/20/2025

Next Scheduled EDR Contact: 09/01/2025

Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 06/10/2025

Date Data Arrived at EDR: 06/12/2025

Date Made Active in Reports: 06/16/2025

Number of Days to Update: 4

Source: National Response Center, United States Coast Guard

Telephone: 202-267-2180

Last EDR Contact: 06/12/2025

Next Scheduled EDR Contact: 09/29/2025

Data Release Frequency: Quarterly

Lists of state- and tribal (Superfund) equivalent sites

HSDS: Hazardous Substance Disposal Site

Locations of uncontrolled and unregulated hazardous waste sites. The file includes sites on the National Priority List as well as those on the state priority list.

Date of Government Version: 08/09/2011

Date Data Arrived at EDR: 11/08/2011

Date Made Active in Reports: 12/05/2011

Number of Days to Update: 27

Source: North Carolina Center for Geographic Information and Analysis

Telephone: 919-754-6580

Last EDR Contact: 04/10/2025

Next Scheduled EDR Contact: 07/28/2025

Data Release Frequency: No Update Planned

Lists of state- and tribal hazardous waste facilities

SHWS: Inactive Hazardous Sites Inventory

State Hazardous Waste Sites. State hazardous waste site records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. Available information varies by state.

Date of Government Version: 01/31/2025

Date Data Arrived at EDR: 03/04/2025

Date Made Active in Reports: 05/16/2025

Number of Days to Update: 73

Source: Department of Environment, Health and Natural Resources

Telephone: 919-508-8400

Last EDR Contact: 06/03/2025

Next Scheduled EDR Contact: 09/15/2025

Data Release Frequency: Quarterly

Lists of state and tribal landfills and solid waste disposal facilities

SWF/LF: List of Solid Waste Facilities

Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 11/04/2024

Date Data Arrived at EDR: 12/12/2024

Date Made Active in Reports: 03/04/2025

Number of Days to Update: 82

Source: Department of Environment and Natural Resources

Telephone: 919-733-0692

Last EDR Contact: 06/18/2025

Next Scheduled EDR Contact: 09/29/2025

Data Release Frequency: Varies

OLI: Old Landfill Inventory

Old landfill inventory location information. (Does not include no further action sites and other agency lead sites).

Date of Government Version: 07/29/2024

Date Data Arrived at EDR: 10/02/2024

Date Made Active in Reports: 12/17/2024

Number of Days to Update: 76

Source: Department of Environment & Natural Resources

Telephone: 919-733-4996

Last EDR Contact: 07/02/2025

Next Scheduled EDR Contact: 10/13/2025

Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

DEBRIS: Solid Waste Active Disaster Debris Sites Listing

NCDEQ Division of Waste Management Solid Waste Section Temporary Disaster Debris Staging Site (TDDSS) Locations which are available to be activated in a disaster or emergency.. Disaster Debris Sites can only be used for temporary disaster debris storage if the site's responsible party activates the site for use by notifying the NCDEQ DWM Solid Waste Section staff during an emergency

Date of Government Version: 03/10/2025
Date Data Arrived at EDR: 03/11/2025
Date Made Active in Reports: 05/16/2025
Number of Days to Update: 66

Source: Department of Environmental Quality
Telephone: 919-707-8247
Last EDR Contact: 06/10/2025
Next Scheduled EDR Contact: 09/22/2025
Data Release Frequency: Varies

LCID: Land-Clearing and Inert Debris (LCID) Landfill Notifications

A list all of the Land-Clearing and Inert Debris (LCID) Landfill Notification facilities (under 2 acres in size) in North Carolina.

Date of Government Version: 12/14/2023
Date Data Arrived at EDR: 04/04/2024
Date Made Active in Reports: 07/02/2024
Number of Days to Update: 89

Source: Department of Environmental Quality
Telephone: 919-707-8248
Last EDR Contact: 07/02/2025
Next Scheduled EDR Contact: 10/13/2025
Data Release Frequency: Varies

Lists of state and tribal leaking storage tanks

LAST: Leaking Aboveground Storage Tanks

A listing of leaking aboveground storage tank site locations.

Date of Government Version: 01/24/2025
Date Data Arrived at EDR: 01/29/2025
Date Made Active in Reports: 04/17/2025
Number of Days to Update: 78

Source: Department of Environment & Natural Resources
Telephone: 877-623-6748
Last EDR Contact: 04/29/2025
Next Scheduled EDR Contact: 08/11/2025
Data Release Frequency: Quarterly

LUST: Regional UST Database

This database contains information obtained from the Regional Offices. It provides a more detailed explanation of current and historic activity for individual sites, as well as what was previously found in the Incident Management Database. Sites in this database with Incident Numbers are considered LUSTs.

Date of Government Version: 01/24/2025
Date Data Arrived at EDR: 01/29/2025
Date Made Active in Reports: 04/18/2025
Number of Days to Update: 79

Source: Department of Environment and Natural Resources
Telephone: 919-707-8200
Last EDR Contact: 04/29/2025
Next Scheduled EDR Contact: 08/11/2025
Data Release Frequency: Quarterly

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 11/18/2024
Date Data Arrived at EDR: 01/16/2025
Date Made Active in Reports: 04/07/2025
Number of Days to Update: 81

Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 04/09/2025
Next Scheduled EDR Contact: 07/28/2025
Data Release Frequency: Varies

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 01/07/2025
Date Data Arrived at EDR: 01/16/2025
Date Made Active in Reports: 04/07/2025
Number of Days to Update: 81

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 04/09/2025
Next Scheduled EDR Contact: 07/28/2025
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 01/07/2025	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/16/2025	Telephone: 415-972-3372
Date Made Active in Reports: 04/07/2025	Last EDR Contact: 04/09/2025
Number of Days to Update: 81	Next Scheduled EDR Contact: 07/28/2025
	Data Release Frequency: Varies

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land
Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 11/18/2024	Source: EPA, Region 5
Date Data Arrived at EDR: 01/16/2025	Telephone: 312-886-7439
Date Made Active in Reports: 04/07/2025	Last EDR Contact: 04/09/2025
Number of Days to Update: 81	Next Scheduled EDR Contact: 07/28/2025
	Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 11/18/2024	Source: EPA Region 6
Date Data Arrived at EDR: 01/16/2025	Telephone: 214-665-6597
Date Made Active in Reports: 04/07/2025	Last EDR Contact: 04/09/2025
Number of Days to Update: 81	Next Scheduled EDR Contact: 07/28/2025
	Data Release Frequency: Varies

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 11/18/2024	Source: EPA Region 10
Date Data Arrived at EDR: 01/16/2025	Telephone: 206-553-2857
Date Made Active in Reports: 04/07/2025	Last EDR Contact: 04/09/2025
Number of Days to Update: 81	Next Scheduled EDR Contact: 07/28/2025
	Data Release Frequency: Varies

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 11/18/2024	Source: EPA Region 1
Date Data Arrived at EDR: 01/16/2025	Telephone: 617-918-1313
Date Made Active in Reports: 04/07/2025	Last EDR Contact: 04/09/2025
Number of Days to Update: 81	Next Scheduled EDR Contact: 07/28/2025
	Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 11/18/2024	Source: EPA Region 4
Date Data Arrived at EDR: 01/16/2025	Telephone: 404-562-8677
Date Made Active in Reports: 04/07/2025	Last EDR Contact: 01/16/2025
Number of Days to Update: 81	Next Scheduled EDR Contact: 07/28/2025
	Data Release Frequency: Varies

LUST TRUST: State Trust Fund Database

This database contains information about claims against the State Trust Funds for reimbursements for expenses incurred while remediating Leaking USTs.

Date of Government Version: 12/27/2024	Source: Department of Environment and Natural Resources
Date Data Arrived at EDR: 12/30/2024	Telephone: 919-733-1315
Date Made Active in Reports: 03/18/2025	Last EDR Contact: 06/30/2025
Number of Days to Update: 78	Next Scheduled EDR Contact: 10/13/2025
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Lists of state and tribal registered storage tanks

FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 04/08/2025	Source: FEMA
Date Data Arrived at EDR: 04/23/2025	Telephone: 202-646-5797
Date Made Active in Reports: 04/24/2025	Last EDR Contact: 06/24/2025
Number of Days to Update: 1	Next Scheduled EDR Contact: 10/13/2025
	Data Release Frequency: Varies

UST: Petroleum Underground Storage Tank Database

Registered Underground Storage Tanks. UST's are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA) and must be registered with the state department responsible for administering the UST program. Available information varies by state program.

Date of Government Version: 01/24/2025	Source: Department of Environment and Natural Resources
Date Data Arrived at EDR: 01/29/2025	Telephone: 919-733-1308
Date Made Active in Reports: 04/17/2025	Last EDR Contact: 04/29/2025
Number of Days to Update: 78	Next Scheduled EDR Contact: 08/11/2025
	Data Release Frequency: Quarterly

AST: AST Database

Facilities with aboveground storage tanks that have a capacity greater than 21,000 gallons.

Date of Government Version: 02/25/2025	Source: Department of Environment and Natural Resources
Date Data Arrived at EDR: 03/07/2025	Telephone: 919-715-6183
Date Made Active in Reports: 05/16/2025	Last EDR Contact: 06/04/2025
Number of Days to Update: 70	Next Scheduled EDR Contact: 09/22/2025
	Data Release Frequency: Semi-Annually

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 11/18/2024	Source: EPA Region 6
Date Data Arrived at EDR: 01/16/2025	Telephone: 214-665-7591
Date Made Active in Reports: 04/07/2025	Last EDR Contact: 04/09/2025
Number of Days to Update: 81	Next Scheduled EDR Contact: 07/28/2025
	Data Release Frequency: Varies

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 11/18/2024	Source: EPA Region 5
Date Data Arrived at EDR: 01/16/2025	Telephone: 312-886-6136
Date Made Active in Reports: 04/07/2025	Last EDR Contact: 04/09/2025
Number of Days to Update: 81	Next Scheduled EDR Contact: 07/28/2025
	Data Release Frequency: Varies

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 11/18/2024	Source: EPA, Region 1
Date Data Arrived at EDR: 01/16/2025	Telephone: 617-918-1313
Date Made Active in Reports: 04/07/2025	Last EDR Contact: 04/09/2025
Number of Days to Update: 81	Next Scheduled EDR Contact: 07/28/2025
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 11/18/2024	Source: EPA Region 10
Date Data Arrived at EDR: 01/16/2025	Telephone: 206-553-2857
Date Made Active in Reports: 04/07/2025	Last EDR Contact: 04/09/2025
Number of Days to Update: 81	Next Scheduled EDR Contact: 07/28/2025
	Data Release Frequency: Varies

INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 01/07/2025	Source: EPA Region 7
Date Data Arrived at EDR: 01/16/2025	Telephone: 913-551-7003
Date Made Active in Reports: 04/07/2025	Last EDR Contact: 04/09/2025
Number of Days to Update: 81	Next Scheduled EDR Contact: 07/28/2025
	Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 11/18/2024	Source: EPA Region 8
Date Data Arrived at EDR: 01/16/2025	Telephone: 303-312-6137
Date Made Active in Reports: 04/07/2025	Last EDR Contact: 04/09/2025
Number of Days to Update: 81	Next Scheduled EDR Contact: 07/28/2025
	Data Release Frequency: Varies

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 10/15/2024	Source: EPA Region 9
Date Data Arrived at EDR: 01/16/2025	Telephone: 415-972-3368
Date Made Active in Reports: 04/07/2025	Last EDR Contact: 04/09/2025
Number of Days to Update: 81	Next Scheduled EDR Contact: 07/28/2025
	Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 11/08/2024	Source: EPA Region 4
Date Data Arrived at EDR: 01/16/2025	Telephone: 404-562-9424
Date Made Active in Reports: 04/07/2025	Last EDR Contact: 04/09/2025
Number of Days to Update: 81	Next Scheduled EDR Contact: 07/28/2025
	Data Release Frequency: Varies

State and tribal institutional control / engineering control registries

INST CONTROL: No Further Action Sites With Land Use Restrictions Monitoring

A land use restricted site is a property where there are limits or requirements on future use of the property due to varying levels of cleanup possible, practical, or necessary at the site.

Date of Government Version: 01/31/2025	Source: Department of Environmental Quality
Date Data Arrived at EDR: 03/04/2025	Telephone: 919-508-8400
Date Made Active in Reports: 05/16/2025	Last EDR Contact: 06/02/2025
Number of Days to Update: 73	Next Scheduled EDR Contact: 09/15/2025
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Lists of state and tribal voluntary cleanup sites

INDIAN VCP R1: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 07/27/2015	Source: EPA, Region 1
Date Data Arrived at EDR: 09/29/2015	Telephone: 617-918-1102
Date Made Active in Reports: 02/18/2016	Last EDR Contact: 06/10/2025
Number of Days to Update: 142	Next Scheduled EDR Contact: 09/29/2025
	Data Release Frequency: Varies

VCP: Responsible Party Voluntary Action Sites

Responsible Party Voluntary Action site locations.

Date of Government Version: 01/31/2025	Source: Department of Environment and Natural Resources
Date Data Arrived at EDR: 03/04/2025	Telephone: 919-508-8400
Date Made Active in Reports: 05/16/2025	Last EDR Contact: 06/02/2025
Number of Days to Update: 73	Next Scheduled EDR Contact: 09/15/2025
	Data Release Frequency: Quarterly

INDIAN VCP R7: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008	Source: EPA, Region 7
Date Data Arrived at EDR: 04/22/2008	Telephone: 913-551-7365
Date Made Active in Reports: 05/19/2008	Last EDR Contact: 07/08/2021
Number of Days to Update: 27	Next Scheduled EDR Contact: 07/20/2009
	Data Release Frequency: Varies

Lists of state and tribal brownfield sites

BROWNFIELDS: Brownfields Projects Inventory

A brownfield site is an abandoned, idled, or underused property where the threat of environmental contamination has hindered its redevelopment. All of the sites in the inventory are working toward a brownfield agreement for cleanup and liability control.

Date of Government Version: 08/01/2024	Source: Department of Environment and Natural Resources
Date Data Arrived at EDR: 09/24/2024	Telephone: 919-733-4996
Date Made Active in Reports: 11/19/2024	Last EDR Contact: 06/26/2025
Number of Days to Update: 56	Next Scheduled EDR Contact: 10/06/2025
	Data Release Frequency: Quarterly

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 09/09/2024	Source: Environmental Protection Agency
Date Data Arrived at EDR: 09/11/2024	Telephone: 202-566-2777
Date Made Active in Reports: 12/06/2024	Last EDR Contact: 06/10/2025
Number of Days to Update: 86	Next Scheduled EDR Contact: 09/22/2025
	Data Release Frequency: Semi-Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Local Lists of Landfill / Solid Waste Disposal Sites

SWRCY: Recycling Center Listing

A listing of recycling center locations.

Date of Government Version: 01/31/2022

Date Data Arrived at EDR: 02/02/2022

Date Made Active in Reports: 04/29/2022

Number of Days to Update: 86

Source: Department of Environment & Natural Resources

Telephone: 919-707-8137

Last EDR Contact: 04/16/2025

Next Scheduled EDR Contact: 08/04/2025

Data Release Frequency: Varies

HIST LF: Solid Waste Facility Listing

A listing of solid waste facilities.

Date of Government Version: 11/06/2006

Date Data Arrived at EDR: 02/13/2007

Date Made Active in Reports: 03/02/2007

Number of Days to Update: 17

Source: Department of Environment & Natural Resources

Telephone: 919-733-0692

Last EDR Contact: 01/19/2009

Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998

Date Data Arrived at EDR: 12/03/2007

Date Made Active in Reports: 01/24/2008

Number of Days to Update: 52

Source: Environmental Protection Agency

Telephone: 703-308-8245

Last EDR Contact: 04/21/2025

Next Scheduled EDR Contact: 08/04/2025

Data Release Frequency: Varies

ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985

Date Data Arrived at EDR: 08/09/2004

Date Made Active in Reports: 09/17/2004

Number of Days to Update: 39

Source: Environmental Protection Agency

Telephone: 800-424-9346

Last EDR Contact: 06/09/2004

Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009

Date Data Arrived at EDR: 05/07/2009

Date Made Active in Reports: 09/21/2009

Number of Days to Update: 137

Source: EPA, Region 9

Telephone: 415-947-4219

Last EDR Contact: 04/09/2025

Next Scheduled EDR Contact: 07/28/2025

Data Release Frequency: No Update Planned

IHS OPEN DUMPS: Open Dumps on Indian Land

A listing of all open dumps located on Indian Land in the United States.

Date of Government Version: 02/07/2024

Date Data Arrived at EDR: 11/13/2024

Date Made Active in Reports: 11/19/2024

Number of Days to Update: 6

Source: Department of Health & Human Services, Indian Health Service

Telephone: 301-443-1452

Last EDR Contact: 04/30/2025

Next Scheduled EDR Contact: 08/04/2025

Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

Date of Government Version: 12/31/2024

Date Data Arrived at EDR: 02/20/2025

Date Made Active in Reports: 04/29/2025

Number of Days to Update: 68

Source: Drug Enforcement Administration

Telephone: 202-307-1000

Last EDR Contact: 06/02/2025

Next Scheduled EDR Contact: 09/01/2025

Data Release Frequency: No Update Planned

US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 12/31/2024

Date Data Arrived at EDR: 02/20/2025

Date Made Active in Reports: 04/29/2025

Number of Days to Update: 68

Source: Drug Enforcement Administration

Telephone: 202-307-1000

Last EDR Contact: 06/02/2025

Next Scheduled EDR Contact: 09/01/2025

Data Release Frequency: Quarterly

Local Land Records

LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 03/27/2025

Date Data Arrived at EDR: 04/01/2025

Date Made Active in Reports: 04/24/2025

Number of Days to Update: 23

Source: Environmental Protection Agency

Telephone: 202-564-6023

Last EDR Contact: 07/01/2025

Next Scheduled EDR Contact: 10/06/2025

Data Release Frequency: Semi-Annually

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 06/11/2025

Date Data Arrived at EDR: 06/12/2025

Date Made Active in Reports: 06/16/2025

Number of Days to Update: 4

Source: U.S. Department of Transportation

Telephone: 202-366-4555

Last EDR Contact: 06/12/2025

Next Scheduled EDR Contact: 09/29/2025

Data Release Frequency: Quarterly

SPILLS: Spills Incident Listing

A listing spills, hazardous material releases, sanitary sewer overflows, wastewater treatment plant bypasses and upsets, citizen complaints, and any other environmental emergency calls reported to the agency.

Date of Government Version: 06/27/2024

Date Data Arrived at EDR: 07/19/2024

Date Made Active in Reports: 10/07/2024

Number of Days to Update: 80

Source: Department of Environment & Natural Resources

Telephone: 919-807-6308

Last EDR Contact: 07/01/2025

Next Scheduled EDR Contact: 09/15/2025

Data Release Frequency: Quarterly

IMD: Incident Management Database

Groundwater and/or soil contamination incidents

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 01/24/2025
 Date Data Arrived at EDR: 01/29/2025
 Date Made Active in Reports: 04/17/2025
 Number of Days to Update: 78

Source: Department of Environment and Natural Resources
 Telephone: 877-623-6748
 Last EDR Contact: 04/29/2025
 Next Scheduled EDR Contact: 08/11/2025
 Data Release Frequency: No Update Planned

SPILLS 90: SPILLS90 data from FirstSearch

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 09/27/2012
 Date Data Arrived at EDR: 01/03/2013
 Date Made Active in Reports: 03/06/2013
 Number of Days to Update: 62

Source: FirstSearch
 Telephone: N/A
 Last EDR Contact: 01/03/2013
 Next Scheduled EDR Contact: N/A
 Data Release Frequency: No Update Planned

SPILLS 80: SPILLS80 data from FirstSearch

Spills 80 includes those spill and release records available from FirstSearch databases prior to 1990. Typically, they may include chemical, oil and/or hazardous substance spills recorded before 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 80.

Date of Government Version: 06/14/2001
 Date Data Arrived at EDR: 01/03/2013
 Date Made Active in Reports: 03/06/2013
 Number of Days to Update: 62

Source: FirstSearch
 Telephone: N/A
 Last EDR Contact: 01/03/2013
 Next Scheduled EDR Contact: N/A
 Data Release Frequency: No Update Planned

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 06/02/2025
 Date Data Arrived at EDR: 06/04/2025
 Date Made Active in Reports: 06/16/2025
 Number of Days to Update: 12

Source: Environmental Protection Agency
 Telephone: (404) 562-8651
 Last EDR Contact: 06/04/2025
 Next Scheduled EDR Contact: 09/29/2025
 Data Release Frequency: Quarterly

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 01/30/2025
 Date Data Arrived at EDR: 02/11/2025
 Date Made Active in Reports: 04/24/2025
 Number of Days to Update: 72

Source: U.S. Army Corps of Engineers
 Telephone: 202-528-4285
 Last EDR Contact: 05/13/2025
 Next Scheduled EDR Contact: 08/25/2025
 Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 06/07/2021
 Date Data Arrived at EDR: 07/13/2021
 Date Made Active in Reports: 03/09/2022
 Number of Days to Update: 239

Source: USGS
 Telephone: 888-275-8747
 Last EDR Contact: 04/08/2025
 Next Scheduled EDR Contact: 07/21/2025
 Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 04/02/2018	Source: U.S. Geological Survey
Date Data Arrived at EDR: 04/11/2018	Telephone: 888-275-8747
Date Made Active in Reports: 11/06/2019	Last EDR Contact: 06/25/2025
Number of Days to Update: 574	Next Scheduled EDR Contact: 10/13/2025
	Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 07/30/2021	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/03/2023	Telephone: 615-532-8599
Date Made Active in Reports: 02/10/2023	Last EDR Contact: 05/08/2025
Number of Days to Update: 7	Next Scheduled EDR Contact: 08/18/2025
	Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 06/02/2025	Source: Environmental Protection Agency
Date Data Arrived at EDR: 06/03/2025	Telephone: 202-566-1917
Date Made Active in Reports: 06/16/2025	Last EDR Contact: 06/03/2025
Number of Days to Update: 13	Next Scheduled EDR Contact: 09/29/2025
	Data Release Frequency: Quarterly

EPA WATCH LIST: EPA Watch List

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/21/2014	Telephone: 617-520-3000
Date Made Active in Reports: 06/17/2014	Last EDR Contact: 04/28/2025
Number of Days to Update: 88	Next Scheduled EDR Contact: 08/11/2025
	Data Release Frequency: No Update Planned

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 09/30/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 05/08/2018	Telephone: 703-308-4044
Date Made Active in Reports: 07/20/2018	Last EDR Contact: 05/01/2025
Number of Days to Update: 73	Next Scheduled EDR Contact: 08/11/2025
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2020

Date Data Arrived at EDR: 06/14/2022

Date Made Active in Reports: 03/24/2023

Number of Days to Update: 283

Source: EPA

Telephone: 202-260-5521

Last EDR Contact: 06/12/2025

Next Scheduled EDR Contact: 09/22/2025

Data Release Frequency: Every 4 Years

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2023

Date Data Arrived at EDR: 02/11/2025

Date Made Active in Reports: 02/18/2025

Number of Days to Update: 7

Source: EPA

Telephone: 202-566-0250

Last EDR Contact: 05/15/2025

Next Scheduled EDR Contact: 08/25/2025

Data Release Frequency: Annually

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 01/13/2025

Date Data Arrived at EDR: 01/15/2025

Date Made Active in Reports: 04/07/2025

Number of Days to Update: 82

Source: EPA

Telephone: 202-564-4203

Last EDR Contact: 04/15/2025

Next Scheduled EDR Contact: 07/28/2025

Data Release Frequency: Annually

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 04/25/2025

Date Data Arrived at EDR: 05/01/2025

Date Made Active in Reports: 05/21/2025

Number of Days to Update: 20

Source: EPA

Telephone: 703-416-0223

Last EDR Contact: 07/01/2025

Next Scheduled EDR Contact: 09/08/2025

Data Release Frequency: Annually

RMP: Risk Management Plans

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 01/01/2025	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/17/2025	Telephone: 202-564-8600
Date Made Active in Reports: 04/07/2025	Last EDR Contact: 04/10/2025
Number of Days to Update: 80	Next Scheduled EDR Contact: 07/28/2025
	Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995	Source: EPA
Date Data Arrived at EDR: 07/03/1995	Telephone: 202-564-4104
Date Made Active in Reports: 08/07/1995	Last EDR Contact: 06/02/2008
Number of Days to Update: 35	Next Scheduled EDR Contact: 09/01/2008
	Data Release Frequency: No Update Planned

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 02/26/2025	Source: EPA
Date Data Arrived at EDR: 03/03/2025	Telephone: 202-564-6023
Date Made Active in Reports: 04/07/2025	Last EDR Contact: 07/01/2025
Number of Days to Update: 35	Next Scheduled EDR Contact: 08/11/2025
	Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 07/01/2024	Source: EPA
Date Data Arrived at EDR: 10/02/2024	Telephone: 202-566-0500
Date Made Active in Reports: 01/10/2025	Last EDR Contact: 07/02/2025
Number of Days to Update: 100	Next Scheduled EDR Contact: 10/13/2025
	Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 11/18/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/23/2016	Telephone: 202-564-2501
Date Made Active in Reports: 02/10/2017	Last EDR Contact: 06/23/2025
Number of Days to Update: 79	Next Scheduled EDR Contact: 10/13/2025
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009

Date Data Arrived at EDR: 04/16/2009

Date Made Active in Reports: 05/11/2009

Number of Days to Update: 25

Source: EPA/Office of Prevention, Pesticides and Toxic Substances

Telephone: 202-566-1667

Last EDR Contact: 08/18/2017

Next Scheduled EDR Contact: 12/04/2017

Data Release Frequency: No Update Planned

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009

Date Data Arrived at EDR: 04/16/2009

Date Made Active in Reports: 05/11/2009

Number of Days to Update: 25

Source: EPA

Telephone: 202-566-1667

Last EDR Contact: 08/18/2017

Next Scheduled EDR Contact: 12/04/2017

Data Release Frequency: No Update Planned

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 05/07/2025

Date Data Arrived at EDR: 05/07/2025

Date Made Active in Reports: 06/03/2025

Number of Days to Update: 27

Source: Nuclear Regulatory Commission

Telephone: 301-415-0717

Last EDR Contact: 04/10/2025

Next Scheduled EDR Contact: 07/28/2025

Data Release Frequency: Quarterly

COAL ASH DOE: Steam-Electric Plant Operation Data

A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2023

Date Data Arrived at EDR: 10/16/2024

Date Made Active in Reports: 01/14/2025

Number of Days to Update: 90

Source: Department of Energy

Telephone: 202-586-8719

Last EDR Contact: 05/22/2025

Next Scheduled EDR Contact: 09/08/2025

Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 01/12/2017

Date Data Arrived at EDR: 03/05/2019

Date Made Active in Reports: 11/11/2019

Number of Days to Update: 251

Source: Environmental Protection Agency

Telephone: N/A

Last EDR Contact: 05/22/2025

Next Scheduled EDR Contact: 09/08/2025

Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database

The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 09/13/2019

Date Data Arrived at EDR: 11/06/2019

Date Made Active in Reports: 02/10/2020

Number of Days to Update: 96

Source: Environmental Protection Agency

Telephone: 202-566-0517

Last EDR Contact: 05/01/2025

Next Scheduled EDR Contact: 08/11/2025

Data Release Frequency: Varies

RADINFO: Radiation Information Database

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 07/01/2019
 Date Data Arrived at EDR: 07/01/2019
 Date Made Active in Reports: 09/23/2019
 Number of Days to Update: 84

Source: Environmental Protection Agency
 Telephone: 202-343-9775
 Last EDR Contact: 06/17/2025
 Next Scheduled EDR Contact: 10/06/2025
 Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
 Date Data Arrived at EDR: 03/01/2007
 Date Made Active in Reports: 04/10/2007
 Number of Days to Update: 40

Source: Environmental Protection Agency
 Telephone: 202-564-2501
 Last EDR Contact: 12/17/2007
 Next Scheduled EDR Contact: 03/17/2008
 Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
 Date Data Arrived at EDR: 03/01/2007
 Date Made Active in Reports: 04/10/2007
 Number of Days to Update: 40

Source: Environmental Protection Agency
 Telephone: 202-564-2501
 Last EDR Contact: 12/17/2008
 Next Scheduled EDR Contact: 03/17/2008
 Data Release Frequency: No Update Planned

DOT OPS: Incident and Accident Data

Department of Transportation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 01/10/2025
 Date Data Arrived at EDR: 01/22/2025
 Date Made Active in Reports: 04/21/2025
 Number of Days to Update: 89

Source: Department of Transportation, Office of Pipeline Safety
 Telephone: 202-366-4595
 Last EDR Contact: 04/22/2025
 Next Scheduled EDR Contact: 08/04/2025
 Data Release Frequency: Quarterly

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 12/31/2024
 Date Data Arrived at EDR: 01/27/2025
 Date Made Active in Reports: 04/21/2025
 Number of Days to Update: 84

Source: Department of Justice, Consent Decree Library
 Telephone: Varies
 Last EDR Contact: 06/24/2025
 Next Scheduled EDR Contact: 10/13/2025
 Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2023
 Date Data Arrived at EDR: 02/19/2025
 Date Made Active in Reports: 03/07/2025
 Number of Days to Update: 16

Source: EPA/NTIS
 Telephone: 800-424-9346
 Last EDR Contact: 06/03/2025
 Next Scheduled EDR Contact: 09/29/2025
 Data Release Frequency: Biennially

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2014
 Date Data Arrived at EDR: 07/14/2015
 Date Made Active in Reports: 01/10/2017
 Number of Days to Update: 546

Source: USGS
 Telephone: 202-208-3710
 Last EDR Contact: 06/25/2025
 Next Scheduled EDR Contact: 10/13/2025
 Data Release Frequency: Semi-Annually

FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 03/03/2023
 Date Data Arrived at EDR: 03/03/2023
 Date Made Active in Reports: 06/09/2023
 Number of Days to Update: 98

Source: Department of Energy
 Telephone: 202-586-3559
 Last EDR Contact: 05/01/2025
 Next Scheduled EDR Contact: 08/11/2025
 Data Release Frequency: Varies

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 02/12/2025
 Date Data Arrived at EDR: 02/12/2025
 Date Made Active in Reports: 02/27/2025
 Number of Days to Update: 15

Source: Department of Energy
 Telephone: 505-845-0011
 Last EDR Contact: 05/15/2025
 Next Scheduled EDR Contact: 08/25/2025
 Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 03/27/2025
 Date Data Arrived at EDR: 04/01/2025
 Date Made Active in Reports: 04/24/2025
 Number of Days to Update: 23

Source: Environmental Protection Agency
 Telephone: 703-603-8787
 Last EDR Contact: 07/01/2025
 Next Scheduled EDR Contact: 10/06/2025
 Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931 and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001
 Date Data Arrived at EDR: 10/27/2010
 Date Made Active in Reports: 12/02/2010
 Number of Days to Update: 36

Source: American Journal of Public Health
 Telephone: 703-305-6451
 Last EDR Contact: 12/02/2009
 Next Scheduled EDR Contact: N/A
 Data Release Frequency: No Update Planned

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/12/2016
 Date Data Arrived at EDR: 10/26/2016
 Date Made Active in Reports: 02/03/2017
 Number of Days to Update: 100

Source: EPA
 Telephone: 202-564-2496
 Last EDR Contact: 09/26/2017
 Next Scheduled EDR Contact: 01/08/2018
 Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

Date of Government Version: 10/12/2016
 Date Data Arrived at EDR: 10/26/2016
 Date Made Active in Reports: 02/03/2017
 Number of Days to Update: 100

Source: EPA
 Telephone: 202-564-2496
 Last EDR Contact: 09/26/2017
 Next Scheduled EDR Contact: 01/08/2018
 Data Release Frequency: Annually

US MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 02/03/2025
 Date Data Arrived at EDR: 02/18/2025
 Date Made Active in Reports: 03/20/2025
 Number of Days to Update: 30

Source: Department of Labor, Mine Safety and Health Administration
 Telephone: 303-231-5959
 Last EDR Contact: 05/20/2025
 Next Scheduled EDR Contact: 09/01/2025
 Data Release Frequency: Semi-Annually

MINES VIOLATIONS: MSHA Violation Assessment Data

Mines violation and assessment information. Department of Labor, Mine Safety & Health Administration.

Date of Government Version: 04/01/2025
 Date Data Arrived at EDR: 04/02/2025
 Date Made Active in Reports: 06/24/2025
 Number of Days to Update: 83

Source: DOL, Mine Safety & Health Admini
 Telephone: 202-693-9424
 Last EDR Contact: 07/01/2025
 Next Scheduled EDR Contact: 09/01/2025
 Data Release Frequency: Quarterly

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

Date of Government Version: 05/02/2024
 Date Data Arrived at EDR: 08/20/2024
 Date Made Active in Reports: 10/09/2024
 Number of Days to Update: 50

Source: USGS
 Telephone: 703-648-7709
 Last EDR Contact: 05/20/2025
 Next Scheduled EDR Contact: 09/01/2025
 Data Release Frequency: Varies

US MINES 3: Active Mines & Mineral Plants Database Listing

Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011
 Date Data Arrived at EDR: 06/08/2011
 Date Made Active in Reports: 09/13/2011
 Number of Days to Update: 97

Source: USGS
 Telephone: 703-648-7709
 Last EDR Contact: 05/22/2025
 Next Scheduled EDR Contact: 09/01/2025
 Data Release Frequency: Varies

MINES MRDS: Mineral Resources Data System

Mineral Resources Data System

Date of Government Version: 06/04/2024
 Date Data Arrived at EDR: 11/22/2024
 Date Made Active in Reports: 02/18/2025
 Number of Days to Update: 88

Source: USGS
 Telephone: 703-648-6533
 Last EDR Contact: 05/22/2025
 Next Scheduled EDR Contact: 09/01/2025
 Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

ABANDONED MINES: Abandoned Mines

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

Date of Government Version: 05/28/2025	Source: Department of Interior
Date Data Arrived at EDR: 05/28/2025	Telephone: 202-208-2609
Date Made Active in Reports: 06/03/2025	Last EDR Contact: 05/28/2025
Number of Days to Update: 6	Next Scheduled EDR Contact: 09/15/2025
	Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 04/22/2025	Source: EPA
Date Data Arrived at EDR: 05/05/2025	Telephone: (404) 562-9900
Date Made Active in Reports: 05/21/2025	Last EDR Contact: 05/05/2025
Number of Days to Update: 16	Next Scheduled EDR Contact: 09/08/2025
	Data Release Frequency: Quarterly

ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 03/23/2025	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/27/2025	Telephone: 202-564-2280
Date Made Active in Reports: 06/24/2025	Last EDR Contact: 06/25/2025
Number of Days to Update: 89	Next Scheduled EDR Contact: 10/13/2025
	Data Release Frequency: Quarterly

DOCKET HWC: Hazardous Waste Compliance Docket Listing

A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 05/06/2021	Source: Environmental Protection Agency
Date Data Arrived at EDR: 05/21/2021	Telephone: 202-564-0527
Date Made Active in Reports: 08/11/2021	Last EDR Contact: 05/14/2025
Number of Days to Update: 82	Next Scheduled EDR Contact: 09/01/2025
	Data Release Frequency: Varies

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 02/14/2025	Source: Department of Defense
Date Data Arrived at EDR: 03/11/2025	Telephone: 703-704-1564
Date Made Active in Reports: 06/03/2025	Last EDR Contact: 07/02/2025
Number of Days to Update: 84	Next Scheduled EDR Contact: 10/20/2025
	Data Release Frequency: Varies

FUELS PROGRAM: EPA Fuels Program Registered Listing

This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 02/13/2025
 Date Data Arrived at EDR: 02/13/2025
 Date Made Active in Reports: 04/29/2025
 Number of Days to Update: 75

Source: EPA
 Telephone: 800-385-6164
 Last EDR Contact: 05/13/2025
 Next Scheduled EDR Contact: 08/25/2025
 Data Release Frequency: Quarterly

PFAS NPL: Superfund Sites with PFAS Detections Information

EPA's Office of Land and Emergency Management and EPA Regional Offices maintain data describing what is known about site investigations, contamination, and remedial actions under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) where PFAS is present in the environment.

Date of Government Version: 03/31/2025
 Date Data Arrived at EDR: 04/02/2025
 Date Made Active in Reports: 05/05/2025
 Number of Days to Update: 33

Source: Environmental Protection Agency
 Telephone: 703-603-8895
 Last EDR Contact: 06/26/2025
 Next Scheduled EDR Contact: 10/13/2025
 Data Release Frequency: Varies

PFAS FEDERAL SITES: Federal Sites PFAS Information

Several federal entities, such as the federal Superfund program, Department of Defense, National Aeronautics and Space Administration, Department of Transportation, and Department of Energy provided information for sites with known or suspected detections at federal facilities.

Date of Government Version: 03/31/2025
 Date Data Arrived at EDR: 04/02/2025
 Date Made Active in Reports: 05/05/2025
 Number of Days to Update: 33

Source: Environmental Protection Agency
 Telephone: 202-272-0167
 Last EDR Contact: 06/26/2025
 Next Scheduled EDR Contact: 10/13/2025
 Data Release Frequency: Varies

PFAS TSCA: PFAS Manufacture and Imports Information

EPA issued the Chemical Data Reporting (CDR) Rule under the Toxic Substances Control Act (TSCA) and requires chemical manufacturers and facilities that manufacture or import chemical substances to report data to EPA. EPA publishes non-confidential business information (non-CBI) and includes descriptive information about each site, corporate parent, production volume, other manufacturing information, and processing and use information.

Date of Government Version: 03/31/2025
 Date Data Arrived at EDR: 04/02/2025
 Date Made Active in Reports: 05/05/2025
 Number of Days to Update: 33

Source: Environmental Protection Agency
 Telephone: 202-272-0167
 Last EDR Contact: 06/26/2025
 Next Scheduled EDR Contact: 10/13/2025
 Data Release Frequency: Varies

PFAS TRIS: List of PFAS Added to the TRI

Section 7321 of the National Defense Authorization Act for Fiscal Year 2020 (NDAA) immediately added certain per- and polyfluoroalkyl substances (PFAS) to the list of chemicals covered by the Toxics Release Inventory (TRI) under Section 313 of the Emergency Planning and Community Right-to-Know Act (EPCRA) and provided a framework for additional PFAS to be added to TRI on an annual basis.

Date of Government Version: 03/07/2025
 Date Data Arrived at EDR: 04/02/2025
 Date Made Active in Reports: 05/05/2025
 Number of Days to Update: 33

Source: Environmental Protection Agency
 Telephone: 202-566-0250
 Last EDR Contact: 06/26/2025
 Next Scheduled EDR Contact: 10/13/2025
 Data Release Frequency: Varies

PFAS RCRA MANIFEST: PFAS Transfers Identified In the RCRA Database Listing

To work around the lack of PFAS waste codes in the RCRA database, EPA developed the PFAS Transfers dataset by mining e-Manifest records containing at least one of these common PFAS keywords: PFAS, PFOA, PFOS, PERFL, AFFF, GENX, GEN-X (plus the VT waste codes). These keywords were searched for in the following text fields: Manifest handling instructions (MANIFEST_HANDLING_INSTR), Non-hazardous waste description (NON_HAZ_WASTE_DESCRIPTION), DOT printed information (DOT_PRINTED_INFORMATION), Waste line handling instructions (WASTE_LINE_HANDLING_INSTR), Waste residue comments (WASTE_RESIDUE_COMMENTS).

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 03/23/2025
 Date Data Arrived at EDR: 04/02/2025
 Date Made Active in Reports: 05/05/2025
 Number of Days to Update: 33

Source: Environmental Protection Agency
 Telephone: 202-272-0167
 Last EDR Contact: 06/23/2025
 Next Scheduled EDR Contact: 10/13/2025
 Data Release Frequency: Varies

PFAS ATSDR: PFAS Contamination Site Location Listing

PFAS contamination site locations from the Department of Health & Human Services, Center for Disease Control & Prevention. ATSDR is involved at a number of PFAS-related sites, either directly or through assisting state and federal partners. As of now, most sites are related to drinking water contamination connected with PFAS production facilities or fire training areas where aqueous film-forming firefighting foam (AFFF) was regularly used.

Date of Government Version: 06/24/2020
 Date Data Arrived at EDR: 03/17/2021
 Date Made Active in Reports: 11/08/2022
 Number of Days to Update: 601

Source: Department of Health & Human Services
 Telephone: 202-741-5770
 Last EDR Contact: 04/17/2025
 Next Scheduled EDR Contact: 08/04/2025
 Data Release Frequency: Varies

PFAS WQP: Ambient Environmental Sampling for PFAS

The Water Quality Portal (WQP) is a part of a modernized repository storing ambient sampling data for all environmental media and tissue samples. A wide range of federal, state, tribal and local governments, academic and non-governmental organizations and individuals submit project details and sampling results to this public repository. The information is commonly used for research and assessments of environmental quality.

Date of Government Version: 03/03/2025
 Date Data Arrived at EDR: 04/02/2025
 Date Made Active in Reports: 05/21/2025
 Number of Days to Update: 49

Source: Environmental Protection Agency
 Telephone: 202-272-0167
 Last EDR Contact: 06/26/2025
 Next Scheduled EDR Contact: 10/13/2025
 Data Release Frequency: Varies

PFAS NPDES: Clean Water Act Discharge Monitoring Information

Any discharger of pollutants to waters of the United States from a point source must have a National Pollutant Discharge Elimination System (NPDES) permit. The process for obtaining limits involves the regulated entity (permittee) disclosing releases in a NPDES permit application and the permitting authority (typically the state but sometimes EPA) deciding whether to require monitoring or monitoring with limits. Caveats and Limitations: Less than half of states have required PFAS monitoring for at least one of their permittees and fewer states have established PFAS effluent limits for permittees. New rulemakings have been initiated that may increase the number of facilities monitoring for PFAS in the future.

Date of Government Version: 03/24/2025
 Date Data Arrived at EDR: 04/02/2025
 Date Made Active in Reports: 05/21/2025
 Number of Days to Update: 49

Source: Environmental Protection Agency
 Telephone: 202-272-0167
 Last EDR Contact: 06/26/2025
 Next Scheduled EDR Contact: 10/13/2025
 Data Release Frequency: Varies

PFAS PROJECT: NORTHEASTERN UNIVERSITY PFAS PROJECT

The PFAS Contamination Site Tracker records qualitative and quantitative data from each site in a chart, specifically examining discovery, contamination levels, government response, litigation, health impacts, media coverage, and community characteristics. All data presented in the chart were extracted from government websites, such as state health departments or the Environmental Protection Agency, and news articles.

Date of Government Version: 05/15/2024
 Date Data Arrived at EDR: 03/06/2025
 Date Made Active in Reports: 06/03/2025
 Number of Days to Update: 89

Source: Social Science Environmental Health Research Institute
 Telephone: N/A
 Last EDR Contact: 06/05/2025
 Next Scheduled EDR Contact: 09/15/2025
 Data Release Frequency: Varies

PFAS ECHO: Facilities in Industries that May Be Handling PFAS Listing

Regulators and the public have expressed interest in knowing which regulated entities may be using PFAS. EPA has developed a dataset from various sources that show which industries may be handling PFAS. Approximately 120,000 facilities subject to federal environmental programs have operated or currently operate in industry sectors with processes that may involve handling and/or release of PFAS.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 03/24/2025
 Date Data Arrived at EDR: 04/02/2025
 Date Made Active in Reports: 05/21/2025
 Number of Days to Update: 49

Source: Environmental Protection Agency
 Telephone: 202-272-0167
 Last EDR Contact: 06/26/2025
 Next Scheduled EDR Contact: 10/13/2025
 Data Release Frequency: Varies

PFAS ECHO FIRE TRAIN: Facilities in Industries that May Be Handling PFAS Listing

A list of fire training sites was added to the Industry Sectors dataset using a keyword search on the permitted facility's name to identify sites where fire-fighting foam may have been used in training exercises. Additionally, you may view an example spreadsheet of the subset of fire training facility data, as well as the keywords used in selecting or deselecting a facility for the subset. as well as the keywords used in selecting or deselecting a facility for the subset. These keywords were tested to maximize accuracy in selecting facilities that may use fire-fighting foam in training exercises, however, due to the lack of a required reporting field in the data systems for designating fire training sites, this methodology may not identify all fire training sites or may potentially misidentify them.

Date of Government Version: 03/24/2025
 Date Data Arrived at EDR: 04/02/2025
 Date Made Active in Reports: 05/21/2025
 Number of Days to Update: 49

Source: Environmental Protection Agency
 Telephone: 202-272-0167
 Last EDR Contact: 06/23/2025
 Next Scheduled EDR Contact: 10/13/2025
 Data Release Frequency: Varies

PFAS PT 139 AIRPORT: All Certified Part 139 Airports PFAS Information Listing

Since July 1, 2006, all certified part 139 airports are required to have fire-fighting foam onsite that meet military specifications (MIL-F-24385) (14 CFR 139.317). To date, these military specification fire-fighting foams are fluorinated and have been historically used for training and extinguishing. The 2018 FAA Reauthorization Act has a provision stating that no later than October 2021, FAA shall not require the use of fluorinated AFFF. This provision does not prohibit the use of fluorinated AFFF at Part 139 civilian airports; it only prohibits FAA from mandating its use. The Federal Aviation Administration's document AC 150/5210-6D - Aircraft Fire Extinguishing Agents provides guidance on Aircraft Fire Extinguishing Agents, which includes Aqueous Film Forming Foam (AFFF).

Date of Government Version: 03/24/2025
 Date Data Arrived at EDR: 04/02/2025
 Date Made Active in Reports: 05/21/2025
 Number of Days to Update: 49

Source: Environmental Protection Agency
 Telephone: 202-272-0167
 Last EDR Contact: 06/23/2025
 Next Scheduled EDR Contact: 10/13/2025
 Data Release Frequency: Varies

AQUEOUS FOAM NRC: Aqueous Foam Related Incidents Listing

The National Response Center (NRC) serves as an emergency call center that fields initial reports for pollution and railroad incidents and forwards that information to appropriate federal/state agencies for response. The spreadsheets posted to the NRC website contain initial incident data that has not been validated or investigated by a federal/state response agency. Response center calls from 1990 to the most recent complete calendar year where there was indication of Aqueous Film Forming Foam (AFFF) usage are included in this dataset. NRC calls may reference AFFF usage in the ?Material Involved? or ?Incident Description? fields.

Date of Government Version: 03/24/2025
 Date Data Arrived at EDR: 04/02/2025
 Date Made Active in Reports: 04/29/2025
 Number of Days to Update: 27

Source: Environmental Protection Agency
 Telephone: 202-267-2675
 Last EDR Contact: 06/26/2025
 Next Scheduled EDR Contact: 10/13/2025
 Data Release Frequency: Varies

PCS: Permit Compliance System

PCS is a computerized management information system that contains data on National Pollutant Discharge Elimination System (NPDES) permit holding facilities. PCS tracks the permit, compliance, and enforcement status of NPDES facilities.

Date of Government Version: 12/16/2016
 Date Data Arrived at EDR: 01/06/2017
 Date Made Active in Reports: 03/10/2017
 Number of Days to Update: 63

Source: EPA, Office of Water
 Telephone: 202-564-2496
 Last EDR Contact: 06/23/2025
 Next Scheduled EDR Contact: 10/13/2025
 Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

PCS ENF: Enforcement data

No description is available for this data

Date of Government Version: 12/31/2014
 Date Data Arrived at EDR: 02/05/2015
 Date Made Active in Reports: 03/06/2015
 Number of Days to Update: 29

Source: EPA
 Telephone: 202-564-2497
 Last EDR Contact: 06/23/2025
 Next Scheduled EDR Contact: 10/13/2025
 Data Release Frequency: Varies

BIOSOLIDS: ICIS-NPDES Biosolids Facility Data

The data reflects compliance information about facilities in the biosolids program.

Date of Government Version: 01/12/2025
 Date Data Arrived at EDR: 01/14/2025
 Date Made Active in Reports: 03/20/2025
 Number of Days to Update: 65

Source: Environmental Protection Agency
 Telephone: 202-564-4700
 Last EDR Contact: 04/15/2025
 Next Scheduled EDR Contact: 07/28/2025
 Data Release Frequency: Varies

UST FINDER RELEASE: UST Finder Releases Database

US EPA's UST Finder data is a national composite of leaking underground storage tanks. This data contains information about, and locations of, leaking underground storage tanks. Data was collected from state sources and standardized into a national profile by EPA's Office of Underground Storage Tanks, Office of Research and Development, and the Association of State and Territorial Solid Waste Management Officials.

Date of Government Version: 06/08/2023
 Date Data Arrived at EDR: 10/31/2023
 Date Made Active in Reports: 01/18/2024
 Number of Days to Update: 79

Source: Environmental Protection Agency
 Telephone: 202-564-0394
 Last EDR Contact: 05/08/2025
 Next Scheduled EDR Contact: 08/18/2025
 Data Release Frequency: Semi-Annually

UST FINDER: UST Finder Database

EPA developed UST Finder, a web map application containing a comprehensive, state-sourced national map of underground storage tank (UST) and leaking UST (LUST) data. It provides the attributes and locations of active and closed USTs, UST facilities, and LUST sites from states and from Tribal lands and US territories. UST Finder contains information about proximity of UST facilities and LUST sites to: surface and groundwater public drinking water protection areas; estimated number of private domestic wells and number of people living nearby; and flooding and wildfires.

Date of Government Version: 06/08/2023
 Date Data Arrived at EDR: 10/04/2023
 Date Made Active in Reports: 01/18/2024
 Number of Days to Update: 106

Source: Environmental Protection Agency
 Telephone: 202-564-0394
 Last EDR Contact: 05/08/2025
 Next Scheduled EDR Contact: 08/18/2025
 Data Release Frequency: Varies

E MANIFEST: Hazardous Waste Electronic Manifest System

EPA established a national system for tracking hazardous waste shipments electronically. This system, known as e-Manifest, will modernize the nation's cradle-to-grave hazardous waste tracking process while saving valuable time, resources, and dollars for industry and states.

Date of Government Version: 02/17/2025
 Date Data Arrived at EDR: 02/19/2025
 Date Made Active in Reports: 03/14/2025
 Number of Days to Update: 23

Source: Environmental Protection Agency
 Telephone: 833-501-6826
 Last EDR Contact: 06/04/2025
 Next Scheduled EDR Contact: 09/29/2025
 Data Release Frequency: Varies

PFAS: PFAS Contamination Site Listing

List of PFAS facilities

Date of Government Version: 12/31/2023
 Date Data Arrived at EDR: 08/21/2024
 Date Made Active in Reports: 12/04/2024
 Number of Days to Update: 105

Source: Department of Environmental Quality
 Telephone: 919-707-8233
 Last EDR Contact: 05/01/2025
 Next Scheduled EDR Contact: 08/11/2025
 Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

AIRS: Air Quality Permit Listing

A listing of facilities with air quality permits.

Date of Government Version: 03/03/2025

Date Data Arrived at EDR: 03/04/2025

Date Made Active in Reports: 05/16/2025

Number of Days to Update: 73

Source: Department of Environmental Quality

Telephone: 919-707-8726

Last EDR Contact: 06/02/2025

Next Scheduled EDR Contact: 09/15/2025

Data Release Frequency: Varies

ASBESTOS: Asbestos Permits & Notifications Information

Asbestos notification sites

Date of Government Version: 01/31/2025

Date Data Arrived at EDR: 02/05/2025

Date Made Active in Reports: 04/30/2025

Number of Days to Update: 84

Source: Department of Health & Human Services

Telephone: 919-707-5973

Last EDR Contact: 04/10/2025

Next Scheduled EDR Contact: 07/28/2025

Data Release Frequency: Varies

CCB: Coal Ash Structural Fills (CCB) Listing

These are not permitted Coal Ash landfills A list all of the now closed Coal Ash Structural Fills (CCB) in North Carolina, in point data form. The purpose is to provide the public and other government entities a visual overview of coal ash structural fills throughout the state and increase public awareness of their current locations.

Date of Government Version: 03/27/2024

Date Data Arrived at EDR: 10/02/2024

Date Made Active in Reports: 11/20/2024

Number of Days to Update: 49

Source: Department of Environmental Quality

Telephone: 919-707-8248

Last EDR Contact: 07/02/2025

Next Scheduled EDR Contact: 10/13/2025

Data Release Frequency: Varies

COAL ASH: Coal Ash Disposal Sites

A listing of coal combustion products distribution permits issued by the Division for the treatment, storage, transportation, use and disposal of coal combustion products.

Date of Government Version: 11/04/2024

Date Data Arrived at EDR: 12/12/2024

Date Made Active in Reports: 03/04/2025

Number of Days to Update: 82

Source: Department of Environment & Natural Resources

Telephone: 919-807-6359

Last EDR Contact: 06/18/2025

Next Scheduled EDR Contact: 09/29/2025

Data Release Frequency: Varies

DRYCLEANERS: Drycleaning Sites

Potential and known drycleaning sites, active and abandoned, that the Drycleaning Solvent Cleanup Program has knowledge of and entered into this database.

Date of Government Version: 02/24/2025

Date Data Arrived at EDR: 03/11/2025

Date Made Active in Reports: 05/16/2025

Number of Days to Update: 66

Source: Department of Environment & Natural Resources

Telephone: 919-508-8400

Last EDR Contact: 06/12/2025

Next Scheduled EDR Contact: 09/22/2025

Data Release Frequency: Varies

FIN ASSURANCE 1: Financial Assurance Information Listing

A listing of financial assurance information for underground storage tank facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 01/24/2025

Date Data Arrived at EDR: 01/29/2025

Date Made Active in Reports: 04/17/2025

Number of Days to Update: 78

Source: Department of Environment & Natural Resources

Telephone: 919-733-1322

Last EDR Contact: 04/29/2025

Next Scheduled EDR Contact: 08/11/2025

Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

FIN ASSURANCE 2: Financial Assurance Information Listing

Information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 10/02/2012
 Date Data Arrived at EDR: 10/03/2012
 Date Made Active in Reports: 10/26/2012
 Number of Days to Update: 23

Source: Department of Environmental & Natural Resources
 Telephone: 919-508-8496
 Last EDR Contact: 06/11/2025
 Next Scheduled EDR Contact: 09/29/2025
 Data Release Frequency: Varies

FIN ASSURANCE 3: Financial Assurance Information

Hazardous waste financial assurance information.

Date of Government Version: 03/04/2025
 Date Data Arrived at EDR: 03/05/2025
 Date Made Active in Reports: 05/16/2025
 Number of Days to Update: 72

Source: Department of Environment & Natural Resources
 Telephone: 919-707-8222
 Last EDR Contact: 05/28/2025
 Next Scheduled EDR Contact: 09/15/2025
 Data Release Frequency: Varies

NPDES: NPDES Facility Location Listing

General information regarding NPDES(National Pollutant Discharge Elimination System) permits.

Date of Government Version: 01/05/2025
 Date Data Arrived at EDR: 01/23/2025
 Date Made Active in Reports: 04/11/2025
 Number of Days to Update: 78

Source: Department of Environment & Natural Resources
 Telephone: 919-733-7015
 Last EDR Contact: 04/22/2025
 Next Scheduled EDR Contact: 08/04/2025
 Data Release Frequency: Varies

PCSRP: Petroleum-Contaminated Soil Remediation Permits

To treat petroleum-contaminated soil in order to protect North Carolina's environment and the health of the citizens of North Carolina.

Date of Government Version: 07/01/2024
 Date Data Arrived at EDR: 07/02/2024
 Date Made Active in Reports: 09/24/2024
 Number of Days to Update: 84

Source: Department of Environmental Quality
 Telephone: 919-707-8248
 Last EDR Contact: 07/02/2025
 Next Scheduled EDR Contact: 10/13/2025
 Data Release Frequency: Varies

SEPT HAULERS: Permitted Septage Haulers Listing

This list of all active and permitted Septage Land Application Site (SLAS) and Septage Detention and Treatment Facility (SDTF) sites in North Carolina. The purpose of this map is to provide the public and government entities a visual overview of the businesses that manage septage and septage facilities throughout the state.

Date of Government Version: 01/22/2025
 Date Data Arrived at EDR: 04/01/2025
 Date Made Active in Reports: 06/20/2025
 Number of Days to Update: 80

Source: Department of Environmental Quality
 Telephone: 919-707-8248
 Last EDR Contact: 07/02/2025
 Next Scheduled EDR Contact: 10/13/2025
 Data Release Frequency: Varies

UIC: Underground Injection Wells Listing

A listing of underground injection wells locations.

Date of Government Version: 05/09/2024
 Date Data Arrived at EDR: 08/28/2024
 Date Made Active in Reports: 11/11/2024
 Number of Days to Update: 75

Source: Department of Environment & Natural Resources
 Telephone: 919-807-6412
 Last EDR Contact: 05/27/2025
 Next Scheduled EDR Contact: 09/08/2025
 Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

AOP: Animal Operation Permits Listing

This listing includes animal operations that are required to be permitted by the state.

Date of Government Version: 11/04/2024

Date Data Arrived at EDR: 11/25/2024

Date Made Active in Reports: 11/27/2024

Number of Days to Update: 2

Source: Department of Environmental Quality

Telephone: 919-707-9129

Last EDR Contact: 06/05/2025

Next Scheduled EDR Contact: 09/15/2025

Data Release Frequency: Varies

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A

Date Data Arrived at EDR: N/A

Date Made Active in Reports: N/A

Number of Days to Update: N/A

Source: EDR, Inc.

Telephone: N/A

Last EDR Contact: N/A

Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

EDR Hist Auto: EDR Exclusive Historical Auto Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A

Date Data Arrived at EDR: N/A

Date Made Active in Reports: N/A

Number of Days to Update: N/A

Source: EDR, Inc.

Telephone: N/A

Last EDR Contact: N/A

Next Scheduled EDR Contact: N/A

Data Release Frequency: Varies

EDR Hist Cleaner: EDR Exclusive Historical Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A

Date Data Arrived at EDR: N/A

Date Made Active in Reports: N/A

Number of Days to Update: N/A

Source: EDR, Inc.

Telephone: N/A

Last EDR Contact: N/A

Next Scheduled EDR Contact: N/A

Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA HWS: Recovered Government Archive State Hazardous Waste Facilities List

The EDR Recovered Government Archive State Hazardous Waste database provides a list of SHWS incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Environment, Health and Natural Resources in North Carolina.

Date of Government Version: N/A

Source: Department of Environment, Health and Natural Resources

Date Data Arrived at EDR: 07/01/2013

Telephone: N/A

Date Made Active in Reports: 12/24/2013

Last EDR Contact: 06/01/2012

Number of Days to Update: 176

Next Scheduled EDR Contact: N/A

Data Release Frequency: Varies

RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Environment, Health and Natural Resources in North Carolina.

Date of Government Version: N/A

Source: Department of Environment, Health and Natural Resources

Date Data Arrived at EDR: 07/01/2013

Telephone: N/A

Date Made Active in Reports: 01/13/2014

Last EDR Contact: 06/01/2012

Number of Days to Update: 196

Next Scheduled EDR Contact: N/A

Data Release Frequency: Varies

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Environment, Health and Natural Resources in North Carolina.

Date of Government Version: N/A

Source: Department of Environment, Health and Natural Resources

Date Data Arrived at EDR: 07/01/2013

Telephone: N/A

Date Made Active in Reports: 12/20/2013

Last EDR Contact: 06/01/2012

Number of Days to Update: 172

Next Scheduled EDR Contact: N/A

Data Release Frequency: Varies

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 02/02/2025

Source: Department of Energy & Environmental Protection

Date Data Arrived at EDR: 02/04/2025

Telephone: 860-424-3375

Date Made Active in Reports: 04/24/2025

Last EDR Contact: 05/06/2025

Number of Days to Update: 79

Next Scheduled EDR Contact: 08/18/2025

Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/31/2018
 Date Data Arrived at EDR: 04/10/2019
 Date Made Active in Reports: 05/16/2019
 Number of Days to Update: 36

Source: Department of Environmental Protection
 Telephone: N/A
 Last EDR Contact: 06/23/2025
 Next Scheduled EDR Contact: 10/13/2025
 Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 12/31/2019
 Date Data Arrived at EDR: 11/30/2023
 Date Made Active in Reports: 12/01/2023
 Number of Days to Update: 1

Source: Department of Environmental Conservation
 Telephone: 518-402-8651
 Last EDR Contact: 04/24/2025
 Next Scheduled EDR Contact: 08/04/2025
 Data Release Frequency: Quarterly

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 06/30/2018
 Date Data Arrived at EDR: 07/19/2019
 Date Made Active in Reports: 09/10/2019
 Number of Days to Update: 53

Source: Department of Environmental Protection
 Telephone: 717-783-8990
 Last EDR Contact: 07/01/2025
 Next Scheduled EDR Contact: 10/20/2025
 Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2020
 Date Data Arrived at EDR: 11/30/2021
 Date Made Active in Reports: 02/18/2022
 Number of Days to Update: 80

Source: Department of Environmental Management
 Telephone: 401-222-2797
 Last EDR Contact: 05/07/2025
 Next Scheduled EDR Contact: 08/25/2025
 Data Release Frequency: Annually

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 05/31/2018
 Date Data Arrived at EDR: 06/19/2019
 Date Made Active in Reports: 09/03/2019
 Number of Days to Update: 76

Source: Department of Natural Resources
 Telephone: N/A
 Last EDR Contact: 05/28/2025
 Next Scheduled EDR Contact: 09/15/2025
 Data Release Frequency: Annually

Oil/Gas Pipelines

Source: Endeavor Business Media

Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by Endeavor Business Media. This information is provided on a best effort basis and Endeavor Business Media does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of Endeavor Business Media.

Electric Power Transmission Line Data

Source: Endeavor Business Media

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Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:

Source: American Hospital Association, Inc.
 Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services

Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes

Source: National Institutes of Health

Telephone: 301-594-6248

Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Child Care Facility List

Source: Department of Health & Human Services

Telephone: 919-662-4499

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA

Telephone: 877-336-2627

Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005, 2010 and 2015 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory

Source: US Fish & Wildlife Service

Telephone: 703-358-2171

Current USGS 7.5 Minute Topographic Map

Source: U.S. Geological Survey

STREET AND ADDRESS INFORMATION

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GEOCHECK[®] - PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

I ELLIS JOHNSON MULTI-FAMILY HOUSING PROJECT
CORONA AVENUE
LAURINBURG, NC 28352

TARGET PROPERTY COORDINATES

Latitude (North):	34.780311 - 34° 46' 49.12"
Longitude (West):	79.444326 - 79° 26' 39.57"
Universal Transverse Mercator:	Zone 17
UTM X (Meters):	642345.6
UTM Y (Meters):	3849586.5
Elevation:	220 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	50020599 LAURINBURG, NC
Version Date:	2022

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

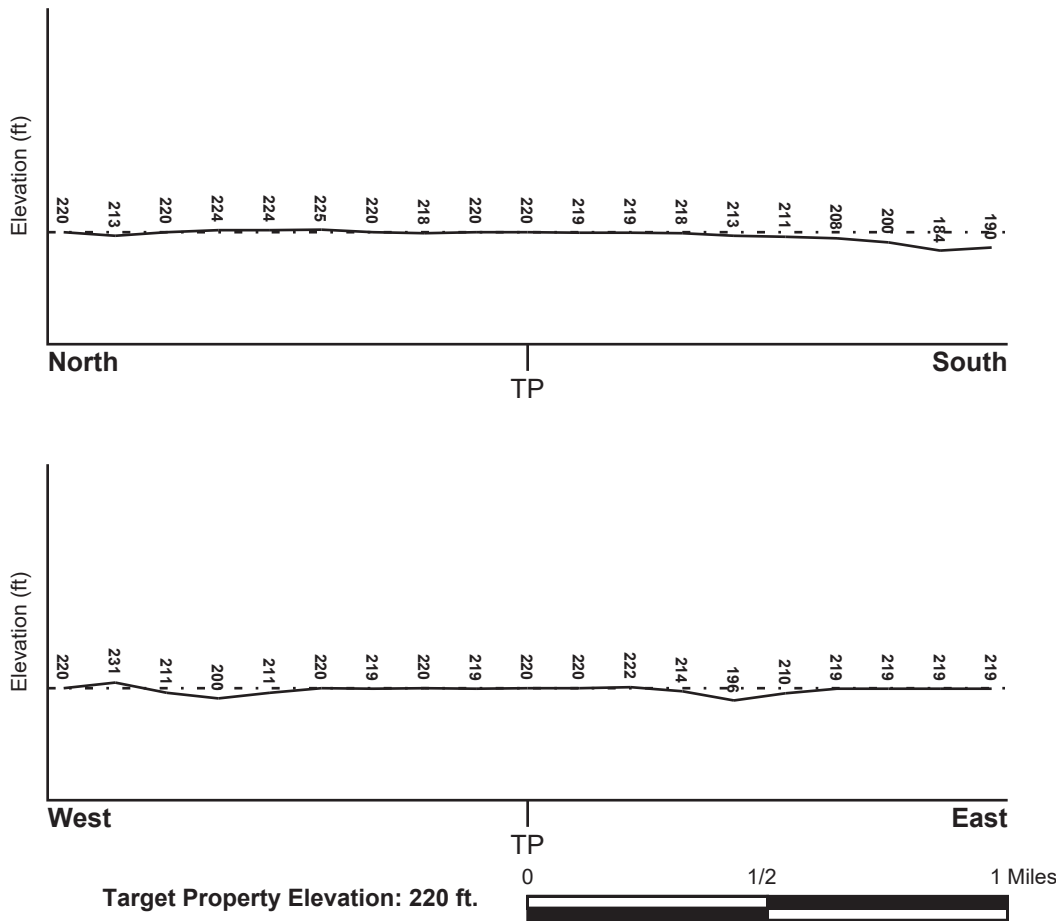
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General WNW

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

<u>Flood Plain Panel at Target Property</u>	<u>FEMA Source Type</u>
3710836700K	FEMA FIRM Flood data
<u>Additional Panels in search area:</u>	<u>FEMA Source Type</u>
3710836800K	FEMA FIRM Flood data
3710837700K	FEMA FIRM Flood data
3710836600K	FEMA FIRM Flood data

NATIONAL WETLAND INVENTORY

<u>NWI Quad at Target Property</u>	<u>NWI Electronic Data Coverage</u>
LAURINBURG	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

<u>MAP ID</u>	<u>LOCATION FROM TP</u>	<u>GENERAL DIRECTION GROUNDWATER FLOW</u>
Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

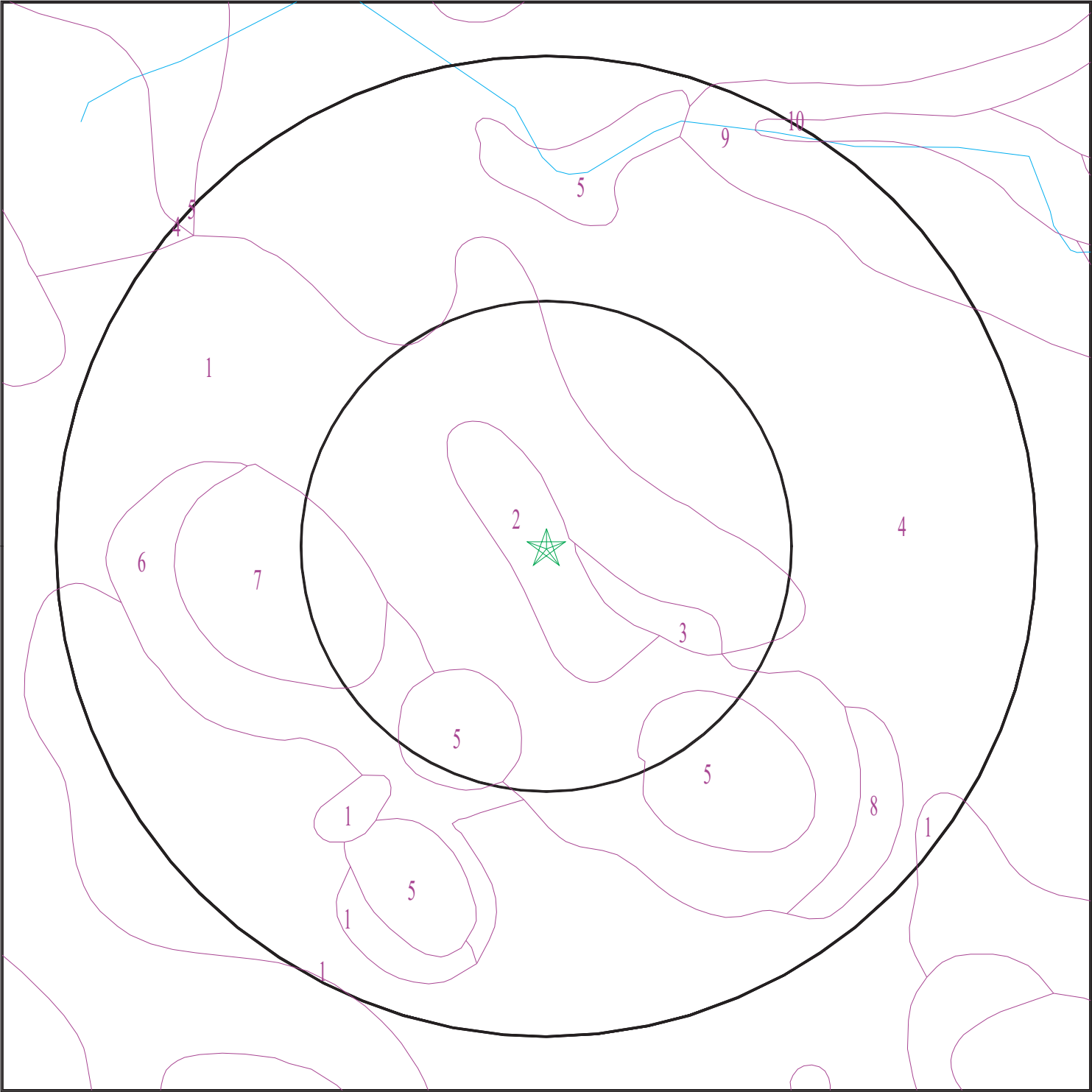
ROCK STRATIGRAPHIC UNIT

GEOLOGIC AGE IDENTIFICATION

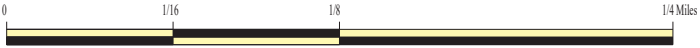
Era:	Mesozoic	Category:	Stratified Sequence
System:	Cretaceous		
Series:	Washita Group		
Code:	IK3		<i>(decoded above as Era, System & Series)</i>

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

SSURGO SOIL MAP - 8037901.2s



- ★ Target Property
- SSURGO Soil
- Water



SITE NAME: I Ellis Johnson Multi-Family Housing Project
ADDRESS: Corona Avenue
Laurinburg NC 28352
LAT/LONG: 34.780311 / 79.444326

CLIENT: Locklear, Locklear & Jacobs, PLLC
CONTACT: Miranda Horne
INQUIRY #: 8037901.2s
DATE: July 03, 2025 1:00 pm

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

Soil Map ID: 1

Soil Component Name: Wagram

Soil Surface Texture: loamy sand

Hydrologic Group: Class A - High infiltration rates. Soils are deep, well drained to excessively drained sands and gravels.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	24 inches	loamy sand	Not reported	Not reported	Max: 14 Min: 4	Max: 6 Min: 4.5
2	24 inches	74 inches		Not reported	Not reported	Max: 14 Min: 4	Max: 6 Min: 4.5

Soil Map ID: 2

Soil Component Name: Lynchburg

Soil Surface Texture: loamy sand

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Somewhat poorly drained

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 31 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	9 inches	loamy sand	Not reported	Not reported	Max: 14 Min: 4	Max: 5.5 Min: 3.6
2	9 inches	64 inches		Not reported	Not reported	Max: 14 Min: 4	Max: 5.5 Min: 3.6
3	64 inches	79 inches		Not reported	Not reported	Max: 14 Min: 4	Max: 5.5 Min: 3.6

Soil Map ID: 3

Soil Component Name: Orangeburg

Soil Surface Texture: loamy sand

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	7 inches	loamy sand	Not reported	Not reported	Max: 14 Min: 4	Max: 5.5 Min: 4.5

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
2	7 inches	11 inches		Not reported	Not reported	Max: 14 Min: 4	Max: 5.5 Min: 4.5
3	11 inches	53 inches		Not reported	Not reported	Max: 14 Min: 4	Max: 5.5 Min: 4.5
4	53 inches	64 inches		Not reported	Not reported	Max: 14 Min: 4	Max: 5.5 Min: 4.5

Soil Map ID: 4

Soil Component Name: Marlboro

Soil Surface Texture: loamy sand

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	9 inches	loamy sand	Not reported	Not reported	Max: 14 Min: 4	Max: 6 Min: 4.5
2	9 inches	59 inches		Not reported	Not reported	Max: 14 Min: 4	Max: 6 Min: 4.5
3	59 inches	72 inches		Not reported	Not reported	Max: 14 Min: 4	Max: 6 Min: 4.5

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Map ID: 5

Soil Component Name: Dunbar

Soil Surface Texture: clay loam

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Somewhat poorly drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 46 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	7 inches	14 inches	clay loam	Not reported	Not reported	Max: 42 Min: 14	Max: 5.5 Min: 4.5
2	14 inches	79 inches	sandy clay	Not reported	Not reported	Max: 42 Min: 14	Max: 5.5 Min: 4.5
3	0 inches	7 inches	fine sandy loam	Not reported	Not reported	Max: 42 Min: 14	Max: 5.5 Min: 4.5

Soil Map ID: 6

Soil Component Name: Norfolk

Soil Surface Texture: loamy sand

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 153 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	14 inches	loamy sand	Not reported	Not reported	Max: Min:	Max: Min:
2	14 inches	38 inches		Not reported	Not reported	Max: Min:	Max: Min:
3	38 inches	70 inches		Not reported	Not reported	Max: Min:	Max: Min:
4	70 inches	98 inches		Not reported	Not reported	Max: Min:	Max: Min:

Soil Map ID: 7

Soil Component Name: Rains

Soil Surface Texture: fine sandy loam

Hydrologic Group: Class B/D - Drained/undrained hydrology class of soils that can be drained and are classified.

Soil Drainage Class: Poorly drained

Hydric Status: All hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 15 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	11 inches	fine sandy loam	Not reported	Not reported	Max: 14 Min: 4	Max: 5.5 Min: 3.6
2	11 inches	40 inches		Not reported	Not reported	Max: 14 Min: 4	Max: 5.5 Min: 3.6
3	40 inches	61 inches		Not reported	Not reported	Max: 14 Min: 4	Max: 5.5 Min: 3.6
4	61 inches	79 inches		Not reported	Not reported	Max: 14 Min: 4	Max: 5.5 Min: 3.6

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Map ID: 8

Soil Component Name: Goldsboro

Soil Surface Texture: loamy sand

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Moderately well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 76 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	14 inches	loamy sand	Not reported	Not reported	Max: Min:	Max: Min:
2	14 inches	44 inches		Not reported	Not reported	Max: Min:	Max: Min:
3	44 inches	64 inches		Not reported	Not reported	Max: Min:	Max: Min:
4	64 inches	75 inches		Not reported	Not reported	Max: Min:	Max: Min:

Soil Map ID: 9

Soil Component Name: Marlboro

Soil Surface Texture: loamy sand

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	9 inches	loamy sand	Not reported	Not reported	Max: 14 Min: 4	Max: 6 Min: 4.5
2	9 inches	59 inches		Not reported	Not reported	Max: 14 Min: 4	Max: 6 Min: 4.5
3	59 inches	72 inches		Not reported	Not reported	Max: 14 Min: 4	Max: 6 Min: 4.5

Soil Map ID: 10

Soil Component Name: Mantachie

Soil Surface Texture: loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Somewhat poorly drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 38 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	11 inches	loam	Not reported	Not reported	Max: 14 Min: 4	Max: 5.5 Min: 4.5
2	11 inches	61 inches		Not reported	Not reported	Max: 14 Min: 4	Max: 5.5 Min: 4.5

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

WELL SEARCH DISTANCE INFORMATION

<u>DATABASE</u>	<u>SEARCH DISTANCE (miles)</u>
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 0.001 miles
State Database	1.000

FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
1	USGS40000883295	1/8 - 1/4 Mile NNW
2	USGS40000883298	1/4 - 1/2 Mile NNE

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No PWS System Found		

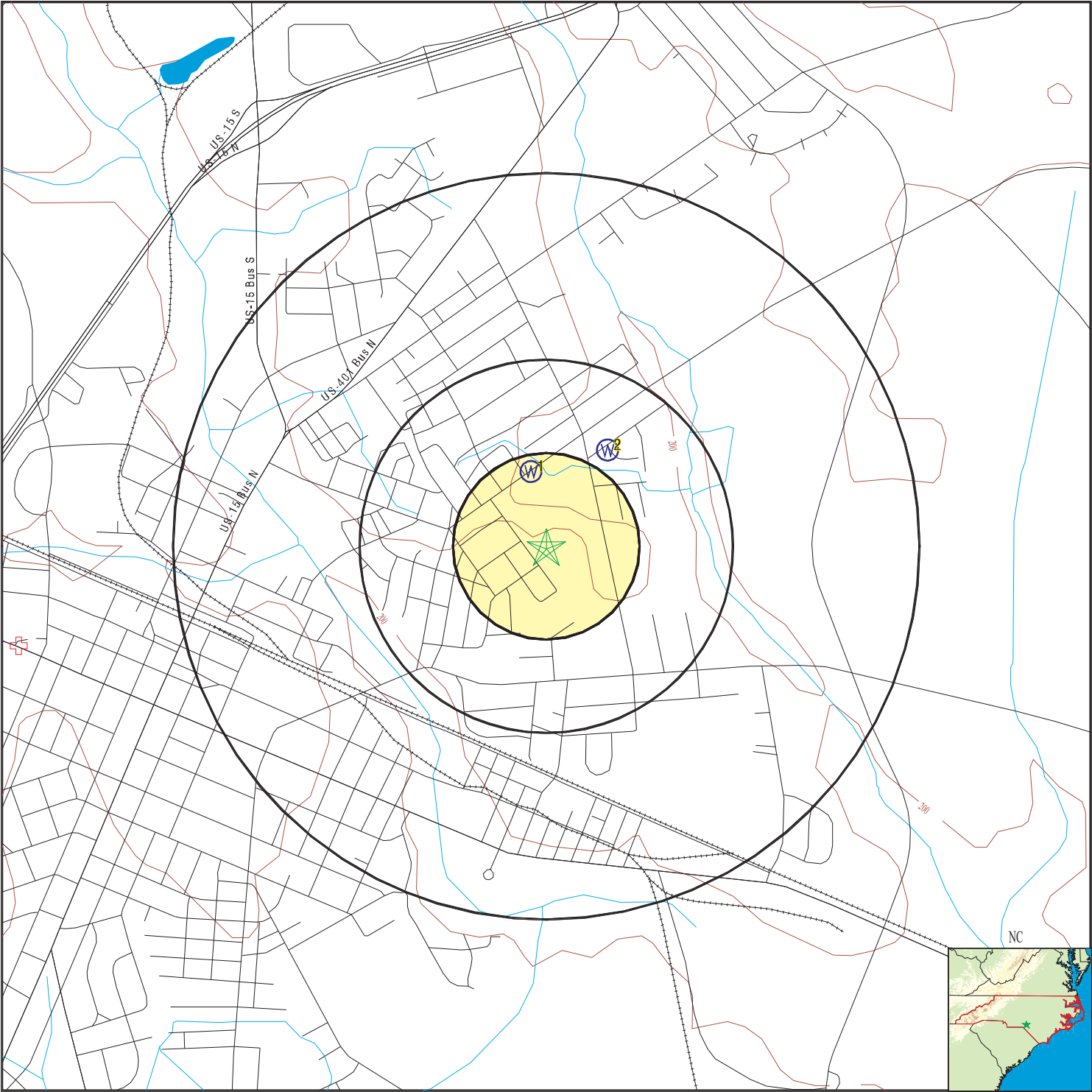
Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No Wells Found		

OTHER STATE DATABASE INFORMATION

PHYSICAL SETTING SOURCE MAP - 8037901.2s



- County Boundary
- Major Roads
- Contour Lines
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons
- Groundwater Flow Direction
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location
- Wildlife Areas
- Natural Areas
- Rare & Endangered Species



SITE NAME: I Ellis Johnson Multi-Family Housing Project
ADDRESS: Corona Avenue
Laurinburg NC 28352
LAT/LONG: 34.780311 / 79.444326

CLIENT: Locklear, Locklear & Jacobs, PLLC
CONTACT: Miranda Horne
INQUIRY #: 8037901.2s
DATE: July 03, 2025 1:00 pm

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

1
NNW
1/8 - 1/4 Mile
Higher

FED USGS USGS40000883295

Organization ID:	USGS-NC		
Organization Name:	USGS North Carolina Water Science Center		
Monitor Location:	SC-037 LAURINBURG MUN 1	Type:	Well
Description:	NO LONGER IN SERVICE	HUC:	03040204
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Units:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	Not Reported
Well Depth:	350	Well Depth Units:	ft
Well Hole Depth:	385	Well Hole Depth Units:	ft

Ground water levels, Number of Measurements:	1	Level reading date:	1952-09
Feet below surface:	13.12	Feet to sea level:	Not Reported
Note:	Not Reported		

2
NNE
1/4 - 1/2 Mile
Lower

FED USGS USGS40000883298

Organization ID:	USGS-NC		
Organization Name:	USGS North Carolina Water Science Center		
Monitor Location:	SC-018 LAURINBURG MUN	Type:	Well
Description:	Not Reported	HUC:	03040204
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Units:	Not Reported
Aquifer:	Northern Atlantic Coastal Plain aquifer system		
Formation Type:	Upper Cretaceous Series	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	Not Reported
Well Depth Units:	Not Reported	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID				
Direction				
Distance			Database	EDR ID Number

Elclass:	A	Precision1:	NC_NHEO	NC50003094
Eostat:	E	Gisid:	M	
Edr id:	NC50003094		52890	

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

Federal EPA Radon Zone for SCOTLAND County: 3

- Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for Zip Code: 28352

Number of sites tested: 1

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	1.700 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	Not Reported	Not Reported	Not Reported	Not Reported

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Current USGS 7.5 Minute Topographic Map

Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA

Telephone: 877-336-2627

Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005, 2010 and 2015 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory

Source: US Fish & Wildlife Service

Telephone: 703-358-2171

HYDROGEOLOGIC INFORMATION

AQUIFLOW^R Information System

Source: EDR proprietary database of groundwater flow information

EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit

Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)

The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)

Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)

This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

North Carolina Public Water Supply Wells

Source: Department of Environmental Health

Telephone: 919-715-3243

OTHER STATE DATABASE INFORMATION

North Carolina Wildlife Resources/Game Lands

Source: Center for Geographic Information and Analysis

Telephone: 919-733-2090

All publicly owned game lands managed by the North Carolina Wildlife Resources Commission and as listed in Hunting and Fishing Maps.

NC Natural Heritage Sites: Natural Heritage Element Occurrence Sites

Source: Natural Heritage Occurrence Sites Center for Geographic Information and Analysis

Telephone: 919-733-2090

A point coverage identifying locations of rare and endangered species, occurrences of exemplary or unique natural ecosystems (terrestrial or aquatic), and special animal habitats (e.g., colonial waterbird nesting sites).

NC Natural Areas: Significant Natural Heritage Areas

Source: Center for Geographic Information and Analysis

Telephone: 919-733-2090

A polygon coverage identifying sites (terrestrial or aquatic) that have particular biodiversity significance.

A site's significance may be due to the presence of rare species, rare or high quality natural communities, or other important ecological features.

RADON

State Database: NC Radon

Source: Department of Environment & Natural Resources

Telephone: 919-733-4984

Radon Statistical and Non Statistical Data

Area Radon Information

Source: USGS

Telephone: 703-356-4020

The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

EPA Radon Zones

Source: EPA

Telephone: 703-356-4020

Sections 307 & 309 of IRRA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities

Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater

Source: Department of Commerce, National Oceanic and Atmospheric Administration

Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary faultlines, prepared in 1975 by the United State Geological Survey

STREET AND ADDRESS INFORMATION

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APPENDIX III:

Historical Research & Tax Record Documentation



I Ellis Johnson Multi-Family Housing Project

Corona Avenue

Laurinburg, NC 28352

Inquiry Number: 8037901.11

July 03, 2025

The EDR Aerial Photo Decade Package



6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Aerial Photo Decade Package

07/03/25

Site Name:

I Ellis Johnson Multi-Family Ho
Corona Avenue
Laurinburg, NC 28352
EDR Inquiry # 8037901.11

Client Name:

Locklear, Locklear & Jacobs, PLLC
P.O. Box 3119
Pembroke, NC 28372
Contact: Miranda Horne



Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

Search Results:

Year	Scale	Details	Source
2022	1"=500'	Flight Year: 2022	USDA/NAIP
2018	1"=500'	Flight Year: 2018	USDA/NAIP
2014	1"=500'	Flight Year: 2014	USDA/NAIP
2010	1"=500'	Flight Year: 2010	USDA/NAIP
2006	1"=500'	Flight Year: 2006	USDA/NAIP
1999	1"=500'	Flight Year: 1999	USGS/DOQQ
1993	1"=500'	Acquisition Date: January 30, 1993	USGS/DOQQ
1987	1"=500'	Flight Date: February 04, 1987	USGS
1983	1"=500'	Flight Date: April 12, 1983	USDA
1976	1"=500'	Flight Date: January 15, 1976	USGS
1971	1"=500'	Flight Date: March 27, 1971	USGS
1964	1"=500'	Flight Date: September 26, 1964	USGS
1957	1"=500'	Flight Date: February 01, 1957	USGS
1950	1"=500'	Flight Date: November 21, 1950	USGS
1938	1"=500'	Flight Date: February 28, 1938	USGS

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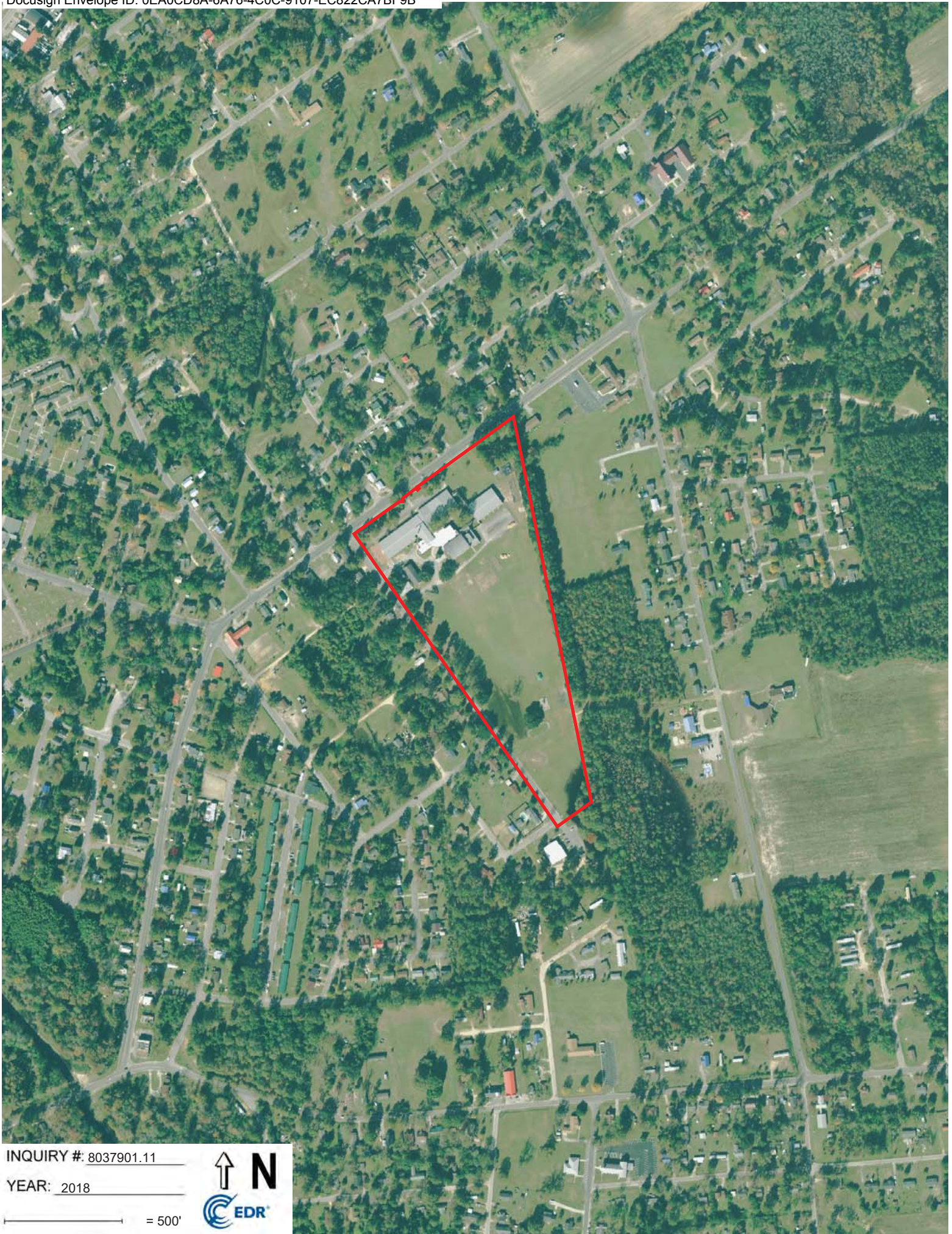


INQUIRY #: 8037901.11

YEAR: 2022

— = 500'





INQUIRY #: 8037901.11

YEAR: 2018

— = 500'





INQUIRY #: 8037901.11

YEAR: 2014

— = 500'





INQUIRY #: 8037901.11

YEAR: 2010

— = 500'





INQUIRY #: 8037901.11

YEAR: 2006

— = 500'





INQUIRY #: 8037901.11

YEAR: 1999

— = 500'





INQUIRY #: 8037901.11

YEAR: 1993

— = 500'



INQUIRY #: 8037901.11

YEAR: 1987

— = 500'



Subject boundary not shown because it exceeds image extent or image is not georeferenced.



INQUIRY #: 8037901.11

YEAR: 1983

— = 500'





INQUIRY #: 8037901.11

YEAR: 1976

— = 500'





INQUIRY #: 8037901.11

YEAR: 1971

— = 500'





INQUIRY #: 8037901.11

YEAR: 1964

— = 500'





INQUIRY #: 8037901.11

YEAR: 1957

— = 500'





INQUIRY #: 8037901.11

YEAR: 1950

— = 500'



Subject boundary not shown because it exceeds image extent or image is not georeferenced.



INQUIRY #: 8037901.11

YEAR: 1938

— = 500'



I Ellis Johnson Multi-Family Housing Project

Corona Avenue

Laurinburg, NC 28352

Inquiry Number: 8037901.4

July 03, 2025

EDR Historical Topo Map Report

with QuadMatch™



6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Historical Topo Map Report

07/03/25

Site Name:

I Ellis Johnson Multi-Family Ho
Corona Avenue
Laurinburg, NC 28352
EDR Inquiry # 8037901.4

Client Name:

Locklear, Locklear & Jacobs, PLLC
P.O. Box 3119
Pembroke, NC 28372
Contact: Miranda Horne



EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by Locklear, Locklear & Jacobs, PLLC were identified for the years listed below. EDR’s Historical Topo Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDRs Historical Topo Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the late 1800s.

Search Results:

Coordinates:

P.O.#	NA	Latitude:	34.780311 34° 46' 49" North
Project:	IEJohnson Multi-Family Housin	Longitude:	-79.4443 -79° 26' 39" West
		UTM Zone:	Zone 17 North
		UTM X Meters:	642344.73
		UTM Y Meters:	3849783.34
		Elevation:	219.42' above sea level

Maps Provided:

- 2022
- 2019
- 2016
- 2013
- 1982
- 1976
- 1957
- 1949

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Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

2022 Source Sheets



Laurinburg
2022
7.5-minute, 24000

2019 Source Sheets



Laurinburg
2019
7.5-minute, 24000

2016 Source Sheets



Laurinburg
2016
7.5-minute, 24000

2013 Source Sheets



Laurinburg
2013
7.5-minute, 24000

Topo Sheet Key

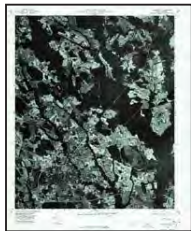
This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1982 Source Sheets



Laurinburg
1982
7.5-minute, 24000
Aerial Photo Revised 1981

1976 Source Sheets



Laurinburg
1976
7.5-minute, 24000
Aerial Photo Revised 1976

1957 Source Sheets



Laurinburg
1957
7.5-minute, 24000
Aerial Photo Revised 1956

1949 Source Sheets

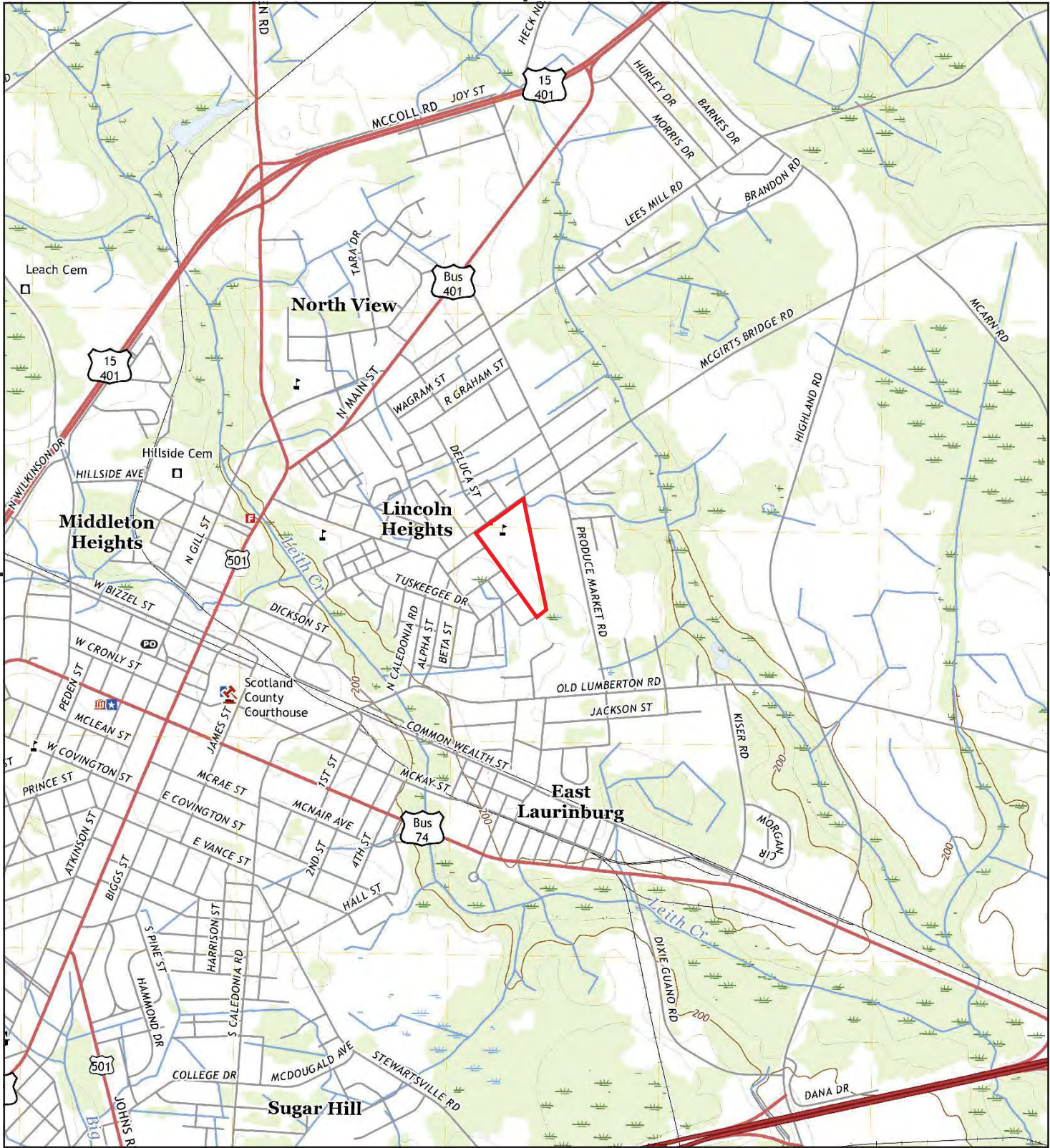


Laurinburg
1949
7.5-minute, 24000
Aerial Photo Revised 1949

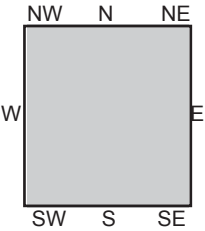
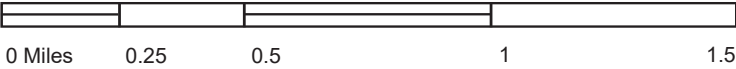


Historical Topo Map

2022



This report includes information from the following map sheet(s).

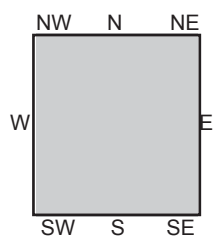
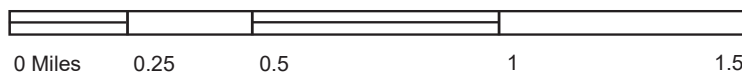
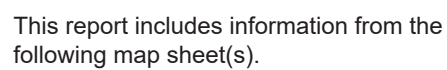


TP, Laurinburg, 2022, 7.5-minute

SITE NAME: I Ellis Johnson Multi-Family Housing Proj
ADDRESS: Corona Avenue
Laurinburg, NC 28352
CLIENT: Locklear, Locklear & Jacobs, PLLC

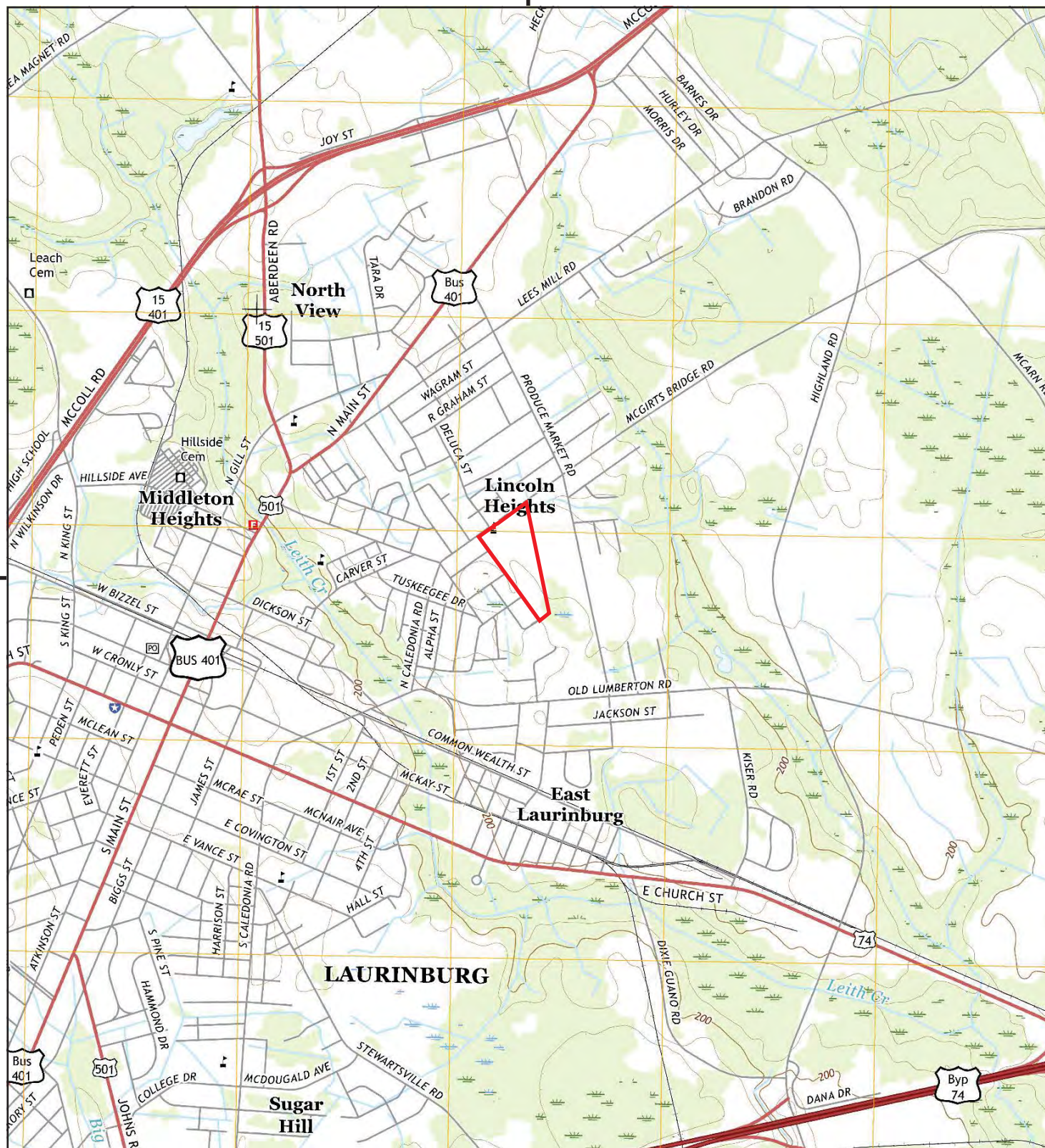


2019

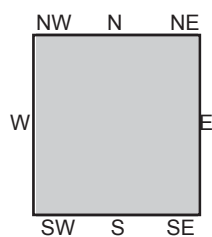
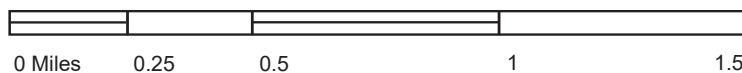


SITE NAME: I Ellis Johnson Multi-Family Housing Project
ADDRESS: Corona Avenue
Laurinburg, NC 28352
CLIENT: Locklear, Locklear & Jacobs, PLLC





This report includes information from the following map sheet(s).



TP, Laurinburg, 2016, 7.5-minute

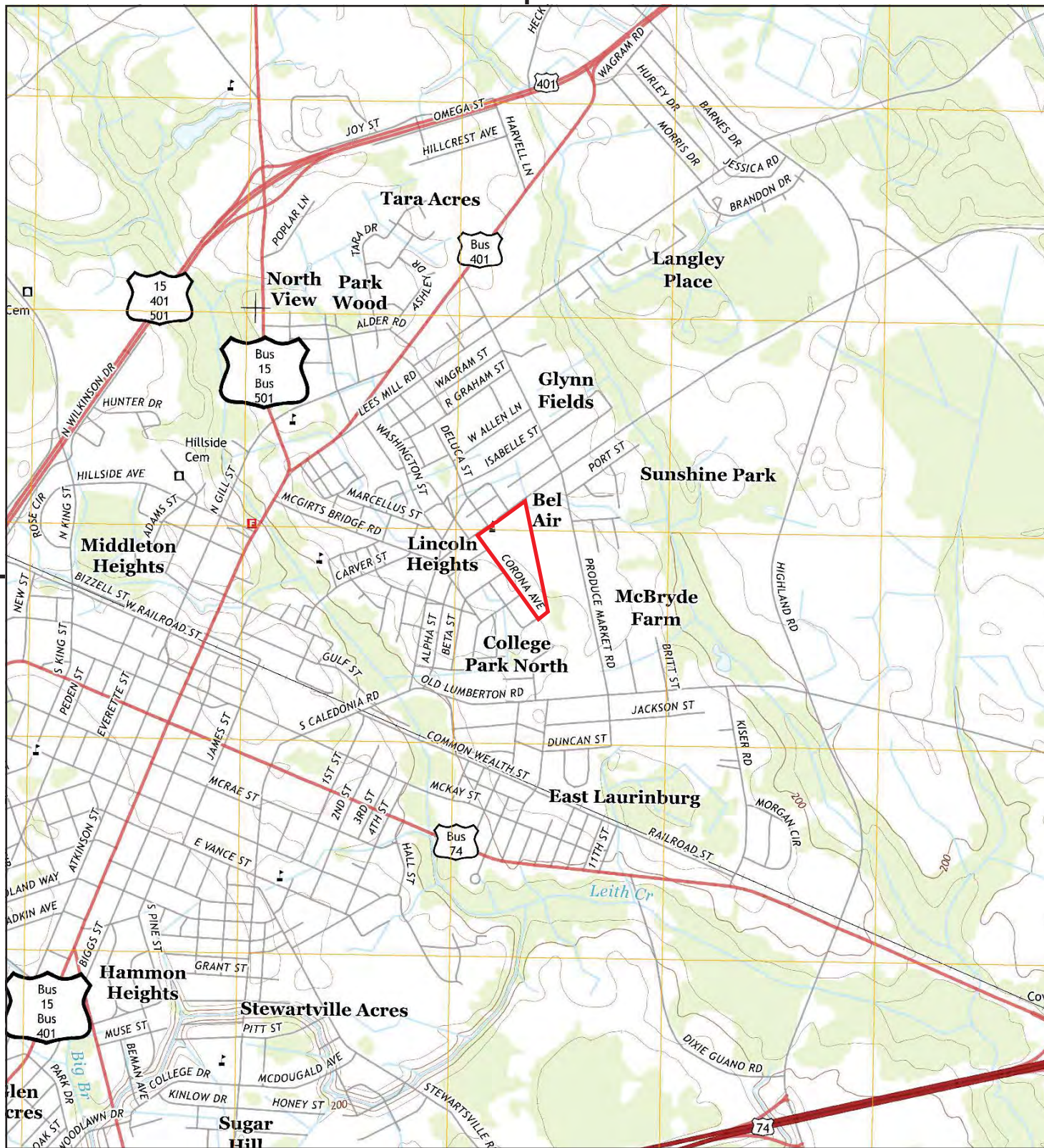
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 ADDRESS: Corona Avenue
 Laurinburg, NC 28352
 CLIENT: Locklear, Locklear & Jacobs, PLLC



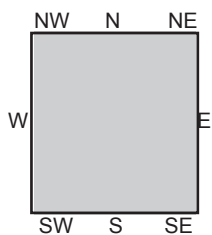
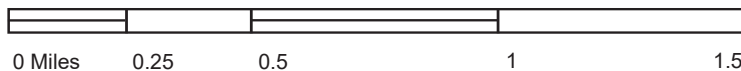


Historical Topo Map

2013



This report includes information from the following map sheet(s).



TP, Laurinburg, 2013, 7.5-minute

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 ADDRESS: Corona Avenue
 Laurinburg, NC 28352
 CLIENT: Locklear, Locklear & Jacobs, PLLC



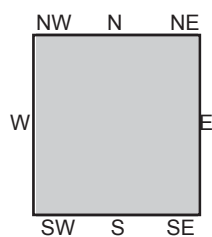
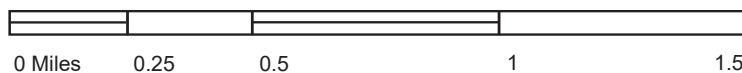


Historical Topo Map

1982



This report includes information from the following map sheet(s).



TP, Laurinburg, 1982, 7.5-minute

SITE NAME: I Ellis Johnson Multi-Family Housing Proj
 ADDRESS: Corona Avenue
 Laurinburg, NC 28352
 CLIENT: Locklear, Locklear & Jacobs, PLLC



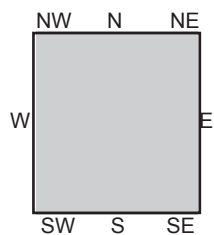
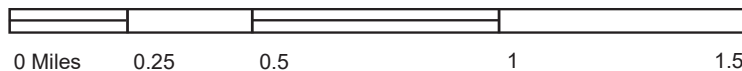


Historical Topo Map

1976



This report includes information from the following map sheet(s).



TP, Laurinburg, 1976, 7.5-minute

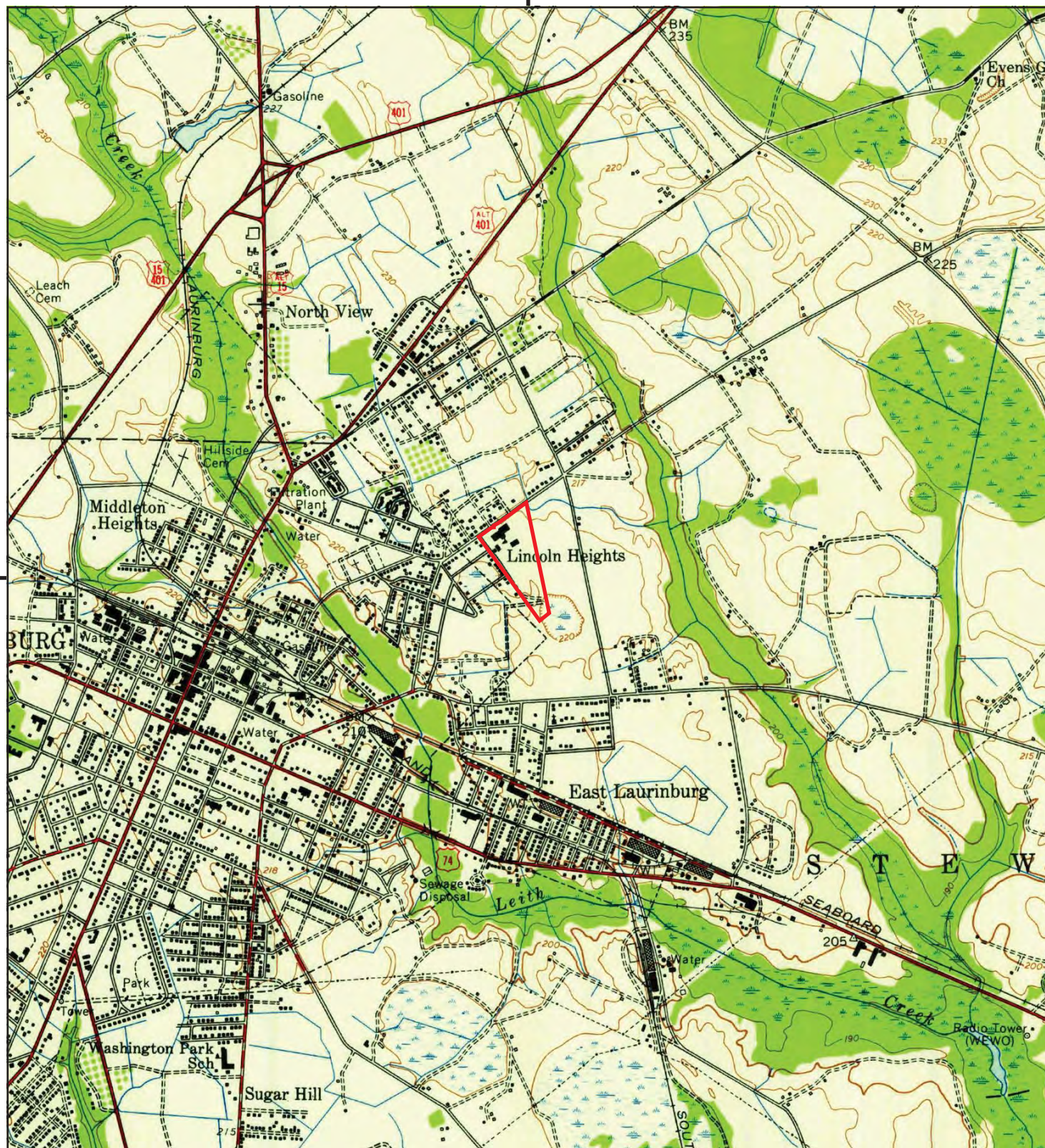
SITE NAME: I Ellis Johnson Multi-Family Housing Proj
 ADDRESS: Corona Avenue
 Laurinburg, NC 28352
 CLIENT: Locklear, Locklear & Jacobs, PLLC



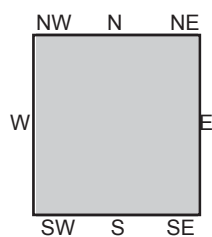
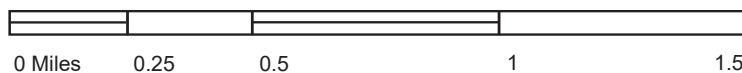


Historical Topo Map

1957



This report includes information from the following map sheet(s).



TP, Laurinburg, 1957, 7.5-minute

SITE NAME: I Ellis Johnson Multi-Family Housing Proj
ADDRESS: Corona Avenue
 Laurinburg, NC 28352
CLIENT: Locklear, Locklear & Jacobs, PLLC



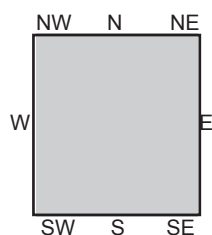
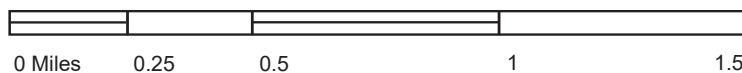


Historical Topo Map

1949



This report includes information from the following map sheet(s).



TP, Laurinburg, 1949, 7.5-minute

SITE NAME: I Ellis Johnson Multi-Family Housing Proj
 ADDRESS: Corona Avenue
 Laurinburg, NC 28352
 CLIENT: Locklear, Locklear & Jacobs, PLLC



I Ellis Johnson Multi-Family Housing Project

Corona Avenue
Laurinburg, NC 28352

Inquiry Number: 8037901.5
July 08, 2025

The EDR-City Directory Image Report

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City Directory Images

Thank you for your business.

Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Report is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Report includes a search of available business directory data at approximately five year intervals.

RECORD SOURCES

The EDR City Directory Report accesses a variety of business directory sources, including Haines, InfoUSA, Polk, Cole, Bresser, and Stewart. Listings marked as EDR Digital Archive access Cole and InfoUSA records. The various directory sources enhance and complement each other to provide a more thorough and accurate report.

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RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. A check mark indicates where information was identified in the source and provided in this report.

<u>Year</u>	<u>Target Street</u>	<u>Cross Street</u>	<u>Source</u>
2020	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	EDR Digital Archive
2017	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Cole Information
2014	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Cole Information
2010	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Cole Information
2005	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Cole Information
2000	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Cole Information
1995	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Cole Information
1992	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Cole Information
1986	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Polk's City Directory
1981	<input checked="" type="checkbox"/>	<input type="checkbox"/>	HILLS DIRECTORY CO.
1976	<input checked="" type="checkbox"/>	<input type="checkbox"/>	HILLS DIRECTORY CO.
1971	<input checked="" type="checkbox"/>	<input type="checkbox"/>	HILLS DIRECTORY CO.
1967	<input checked="" type="checkbox"/>	<input type="checkbox"/>	HILLS DIRECTORY CO.
1964	<input checked="" type="checkbox"/>	<input type="checkbox"/>	HILLS DIRECTORY CO.

FINDINGS

TARGET PROPERTY STREET

Corona Avenue
Laurinburg, NC 28352

<u>Year</u>	<u>CD Image</u>	<u>Source</u>
-------------	-----------------	---------------

CORONA AVE

2020	pg A1	EDR Digital Archive
2017	pg A3	Cole Information
2014	pg A5	Cole Information
2010	pg A7	Cole Information
2005	pg A9	Cole Information
2000	pg A11	Cole Information
1995	pg A13	Cole Information
1992	pg A15	Cole Information
1986	pg A17	Polk's City Directory
1981	pg A18	HILLS DIRECTORY CO.
1976	pg A19	HILLS DIRECTORY CO.
1971	pg A20	HILLS DIRECTORY CO.
1967	pg A21	HILLS DIRECTORY CO.
1964	pg A22	HILLS DIRECTORY CO.

FINDINGS

CROSS STREETS

<u>Year</u>	<u>CD Image</u>	<u>Source</u>
-------------	-----------------	---------------

MCGIRTS BRIDGE RD

2020	pg. A2	EDR Digital Archive	
2017	pg. A4	Cole Information	
2014	pg. A6	Cole Information	
2010	pg. A8	Cole Information	
2005	pg. A10	Cole Information	
2000	pg. A12	Cole Information	
1995	pg. A14	Cole Information	
1992	pg. A16	Cole Information	
1986	-	Polk's City Directory	Street not listed in Source
1981	-	HILLS DIRECTORY CO.	Street not listed in Source
1976	-	HILLS DIRECTORY CO.	Street not listed in Source
1971	-	HILLS DIRECTORY CO.	Street not listed in Source
1967	-	HILLS DIRECTORY CO.	Street not listed in Source
1964	-	HILLS DIRECTORY CO.	Street not listed in Source

City Directory Images

CORONA AVE 2020

407	ANTIONA EVANS
	CRAIG EVANS
	CRAIG MCNEILL
	CURTIS BALDWIN
	JUAN MCCLARY
	MATTIE EVANS
503	PATRICIA DICKENS
505	LIZZIE MCNEILL
507	MARLON SMITH
513	SHOLANDRIA BETHEA
519	MARY MCNEILL
523	KRYSTAL LEE
	LATOYA LEE
	LINDA LEE
	PRECIOUS LEE
	SHAQUANNA LEE
529	GAIL SWINDELL
	MARILYN MCLEAN
	RHONDA WALKER
701	BEVERLY DEBERRY
	KORY DEBERRY
	PATRICIA DEBERRY
703	BEVERLY DEBERRY
	BOBBIE DEBERRY
	JAMISHA DEBERRY
	PATRICK DEBERRY
	RODNEY DEBERRY
705	REMBERT DEBERRY
	SHARON DEBERRY
711	FOUR COUNTY COMMUNITY

MCGIRTS BRIDGE RD 2020

804	FRANCES HEDGES
	LALYNDA HEDGES
	RICHARD BARNWELL
808	VANESSA THOMAS
810	JESSENIA QUINTERO
	LACHINA BROWN
815	I E JOHNSON ELEMENTARY SCHOOL
909	VERMEL TAYLOR
922	MARSHALL MCCOY
	SALLIE MCCOY

CORONA AVE 2017

407	EVANS, CRAIG L
505	MCNEILL, LIZZIE L
513	MARTIN, COURTNEY
519	COUNCIL, MARY E
523	LEE, KRYSTAL C
529	SWINDELL, ERNEST C
703	DEBERRY, RODNEY L
705	DEBERRY, REMBERT Q
711	FOUR COUNTY COMMUNITY SERVICES

MCGIRTS BRIDGE RD 2017

804	MOYE, YAMAAN
810	BROWN, LACHINA
815	SCOTLAND COUNTY SCHOOLS
900	GALILEE UNITED METHODIST CHURCH
922	MCCOY, MARSHALL
926	MCBRYBE, KEVONTE
928	MCDONALD, CELIA A
930	KING, THELMA C
936	HARRINGTON, ROSEANNA A
938	JOHNSON, DOMANIQUE L

CORONA AVE 2014

407	EVANS, CRAIG L
503	MARTIN, ROSETTA
505	MCNEILL, LIZZIE L
507	SMITH, MARLON R
513	OCCUPANT UNKNOWN,
519	COUNCIL, MARY E
523	LEE, LINDA F
529	WALKER, RHONDA L
701	DEBERRY, BEVERLY M
703	DEBERRY, RODNEY L
705	DEBERRY, REMBERT
711	FOUR COUNTY COMMUNITY SERVICES LAURI

MCGIRTS BRIDGE RD 2014

710	AMICK, APRIL L
808	OCCUPANT UNKNOWN,
810	BETHEA, SHANNON
	STANLEY, SHANE
815	SCOTLAND COUNTY SCHOOLS
900	GALILEE UNITED METHODIST CHURCH
909	OCCUPANT UNKNOWN,
918	OCCUPANT UNKNOWN,
922	MCCOY, MARSHALL

CORONA AVE 2010

407	BALDWIN, CURTIS J
503	MARTIN, ROSETTA
505	MCNEILL, LIZZIE R
507	SMITH, MARLON R
515	RATLIFF, PATSY A
516	DOCKERY, RICHARD
523	LEE, LINDA F
529	SWINDELL, ERNEST C
701	DEBERRY, REMBERT Q
705	OCCUPANT UNKNOWN,
710	LAURINBURG HEAD START

MCGIRTS BRIDGE RD 2010

804	CRANK, DEDRON
808	OCCUPANT UNKNOWN,
810	MCNAIR, JOHN W
815	I E JOHNSON ELEMENTARY SCHOOL
909	OCCUPANT UNKNOWN,
918	OCCUPANT UNKNOWN,
922	MCCOY, MARSHALL

CORONA AVE 2005

503	OCCUPANT UNKNOWN,
505	MCNEILL, LIZZIE R
507	SMITH, MARLON
511	MCNEAL, LYDIA
519	COUNCIL, JAMES
523	LEE, LINDA F
529	SWINDELL, ERNEST C
701	DEBERRY, BEVERLY M
703	DEBERRY, PATRICK A
705	DEBERRY, SHARON
	DEBERRYS UPHOLSTERY SHOP
710	LONGBERG HEADSTART CENTER
711	LAURINBURG HEAD START

MCGIRTS BRIDGE RD 2005

804	THOMAS, JOHN
808	AMAKER, MARIE
815	SCOTLAND COUNTY SCHOOL SYSTEM
900	GALILEE UNITED METHODIST CHURCH
909	FOX, DORIS T
918	PATE, MARTHA
922	MCCOY, MARSHALL
926	OCCUPANT UNKNOWN,
928	MCGILL, MARZELLA
934	CURETON, ROSA A
936	OCCUPANT UNKNOWN,

CORONA AVE 2000

505	MCNEILL, LIZZIE L
519	MCNEILL, MARY E
523	LEE, LINDA
533	LEE, LATOYA
711	FOUR COUNTY COMMUNITY SERVICES LAURINBURG HEADSTART 2

MCGIRTS BRIDGE RD 2000

709	FULLER, ANTOINE
810	MCCOY, LOUIS
900	GALILEE UNITED METHODIST CHURCH
909	FOX, DORIS T
922	MCCOY, M
924	MISSION OF FAITH CATHEDRAL
926	MCGILL, CLINTON

CORONA AVE 1995

501	MCKOY, R
503	HARRINGTON, GENEVA
505	MCNEILL, LIZZIE L
511	MCINTYRE, NANCY
513	DOCKERY, RICHARD JR
519	COUNCIL, JAMES
	MCNEILL, MARY E
703	DEBERRY, CRAIG

MCGIRTS BRIDGE RD 1995

804	EVERETT, P
810	MCNAIR, FLOSSIE L
900	GALILEE UNITED METHODIST CHR
909	CUMMINGS, JIMMY
918	OCCUPANT UNKNOWNN
922	MCCOY, SALLY M
926	MCGILL, CLINTON
938	OCCUPANT UNKNOWNN
946	OCCUPANT UNKNOWNN

CORONA AVE 1992

503	HARRINGTON, GENEVA
505	MCNEILL, LIZZIE L
511	MCINTYRE, NANCY
513	DOCKERY, RICHARD JR
703	DEBERRY, GUE

MCGIRTS BRIDGE RD 1992

113	THOMAS, WILLIE C
125	LAURINBURG INSTITUTE MAIN OFFICE
128	ROBERTSON, MARY
202	SPELLER, JOHN T
210	OATES, WILBUR
212	MCNAIR, MACKIE
214	PATE, MONICA
218	HARGROVE, ROSA M
221	MCDUFFIE, CYNTHIA
234	WESTMINISTER PRESBY CHURCH USA
240	HARRINGTON, T
248	ARMSTRONG, P
252	GIBSON, EDDIE
301	MOORE, FLORA
	MORRISON, WILLIE
302	JOHNSON, E P
304	BOGGAIN, JAMES
305	MCCOY, GRACIE
320	PARKER MARY REV
	PARKER, MARY
	TABERNACLE OF PRAYER FOR ALL PEOPLE
599	DEBERRY'S UPHOLSTRY S
609	HARRINGTON, LUKE
612	MCKOY, JOHN T
613	MCCALLUM, TOM
614	JONES, B
703	HARRINGTON, M
708	MCKINNON, LEE R
815	SCOTLAND CO SCHOOL SY I ELLIS JOHNSON SCHO
900	GALILEE UNITED METHODIST CHURCH
909	CUMMINGS, JIMMY
922	DOCKERY, GLENN
926	MCGILL, CLINTON
938	BITTLE, SIRLEY
1003	CROSLAND, GRACE
1004	WILLIAMSON, JOHN C
1012	MCQUEEN, R
1022	SWANN, CHESTER
1026	COUSAR, BENTON
1031	MCNEIL, EDWARD
1034	MONROE, DANNIE H

CORONA AVE 1986

15

**CORONA AV —FROM 720 MC
GIRTS BRIDGE RD SOUTH 2
NORTH OF ROSEVILLE ST**

ZIP CODE 28352

501 Mc Coy Roosevelt ©

503 Harrington Geneva ©
276-2485

ALPHA ST ENDS

505 Mc Neill Lizzie L Mrs
276-2906

507 Vacant

511★Cockrell M R 276-7352

513 Dockey Richard © 276-9616

515 Ratliff Mariah H © 276-5611

524 Harrington Christine

BETA ST ENDS

528 Jones Fenison © 276-1428

529 Swindell Ernest C ©

535 Mc Neill Flora L

701 Deberry Beverly © 276-4121

703 De Berry Guevester ©
276-6457

705 De Berry Rembert ©
276-3513

CORONA AVE 1981

15

CORONA AV —FROM 720 MC
GIRTS BRIDGE RD SOUTH 2
NORTH OF ROSEVILLE ST

ZIP CODE 28352

501 Mc Coy Rosa W Mrs ©
276-7791

503 Harrington Theo © 276-2485
ALPHA ST ENDS

505 Mc Neill Lizzie L Mrs
276-2906

507 Vacant

511 Dockery Richd 276-9616

513 Harrington Philmer ©

515 Ratliff Mariah ©

BETA ST ENDS

528 Jones Fenison © 276-1428

529 Swindell Ernest ©

535 Mc Neill Flora

701 Deberry Beverly © 276-4121

703 Harrington Margt Mrs

CORONA AVE 1976

15

CORONA AV —FROM 720 MC
GIRTS BRIDGE RD SOUTH 2
NORTH OF ROSEVILLE ST

ZIP CODE 28352

501 Mc Coy Rosa W Mrs ©
276-7791

503 Harrington Julia A Mrs ©
276-2485

ALPHA ST ENDS

505★Mc Leod Idell

507 No Return

511★Dockson Richd

514★Harrington T ©

515 Ratliff Mariah H Mrs
276-5611

BETA ST ENDS

523 Jones Fenison © 276-1428

529 Swindell Ernest

535★Livingston Eddie F

703 Harrington Margt Mrs

CORONA AVE 1971

15

**CORONA AV —FROM 720 MC
GIRTS BRIDGE RD SOUTH,
2 NORTH OF ROSEVILLE ST**

ZIP CODE 28352

407 Evans Edna M Mrs ©
501 Mc Koy Rosa W Mrs ©
503 Harrington Zannie ©
276-2485

ALPHA ST ENDS

505 No Return
507 Vacant
509 Vacant
511 Dockery Richd H ©
513 Harrington Willie ©
515 Ratcliff Mariah H Mrs
276-7524

BETA ST ENDS

523 Jones Fenison © 276-1428
529 Swindell Hattie G Mrs ©
276-0219
533 Mack Walter
535 Manning Sarah J Mrs ©
537 Marh Ernest
539 David John Jr
541 David Thos Jr
543 Campbell Amison
545 Ratliff James
Mc Rae Lattie M Mrs
276-0447
563 Gamble Ernest
565 Griffin Annie M Mrs ©
567 Dunlap Issiah
571 Mc Lean Jimmy L
573 Turner Julia M
575 Wright Lula
577 Mc Laurin Annie L
579 Campbell Cornelia B Mrs

CORONA AVE 1967

15

CORONA AV -FROM 720 MC
GIRTS BRIDGE RD SOUTH,
2 NORTH OF ROSEVILLE ST

---ZIP CODE 28352

405 HARRINGTON LEE R •

407 EVANS EDNA M MRS •

501 MC KOY ROSA W MRS •

503 HARRINGTON ZANNIE •

---ALPHA ST ENDS

505 COLEMAN JAMES •

507 REBELS JAMES A •

509 SMITH ROBT •

511 DOCKERY RICH D H

513 HARRINGTON WILLIE •

---BETA ST ENDS

519 HARRINGTON PHILMORE

523 JONES FENISON •

CR6-1428

529 SWINDELL HATTIE G MRS

• 276-1029

CORONA AVE 1964

15

CORONA AV—From 720 McGirts
Bridge rd south, 2 north of Rose-
ville

407 Evans Edna M Mrs ①

501 McKoy Rosa W Mrs ①

503 Harrington Zannie

Alpha ends

509 Smith Robt ①

510 Todd Robt T

511 Dockery Richd

513 Harrington Willie ① CR6-0983

515 Ratcliff Fred ①

Beta ends

519 Harrington Philmore

523 Jones Fenison ① CR6-1428

rear Bennett Troy ① CR6-0394

529 Swindell Hattie G Mrs ①

533 Ratcliff David

535 Manning Sarah J Mrs ①

I Ellis Johnson Multi-Family Housing Project

Corona Avenue

Laurinburg, NC 28352

Inquiry Number: 8037901.3

July 03, 2025

Certified Sanborn® Map Report



6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

07/03/25

Site Name:

I Ellis Johnson Multi-Family Ho
Corona Avenue
Laurinburg, NC 28352
EDR Inquiry # 8037901.3

Client Name:

Locklear, Locklear & Jacobs, PLLC
P.O. Box 3119
Pembroke, NC 28372
Contact: Miranda Horne



The Sanborn Library has been searched by EDR and maps covering the target property location as provided by Locklear, Locklear & Jacobs, PLLC were identified for the years listed below. The Sanborn Library is the largest, most complete collection of fire insurance maps. The collection includes maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow, and others. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by the Sanborn Library LLC, the copyright holder for the collection. Results can be authenticated by visiting www.edrnet.com/sanborn.

The Sanborn Library is continually enhanced with newly identified map archives. This report accesses all maps in the collection as of the day this report was generated.

Certified Sanborn Results:

Certification # 41EC-467A-B282

PO # NA

Project IEJohnson Multi-Family Housing

UNMAPPED PROPERTY

This report certifies that the complete holdings of the Sanborn Library, LLC collection have been searched based on client supplied target property information, and fire insurance maps covering the target property were not found.



Sanborn® Library search results

Certification #: 41EC-467A-B282

The Sanborn Library includes more than 1.2 million fire insurance maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow and others which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- ☒ Library of Congress
- ☒ University Publications of America
- ☒ EDR Private Collection

The Sanborn Library LLC Since 1866™

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I Ellis Johnson Multi-Family Housing Project

Corona Avenue
Laurinburg, NC 28352

Inquiry Number: 8037901.8
July 03, 2025

EDR Building Permit Report

Target Property and Adjoining Properties

EDR Building Permit Report: Search Documentation

7/03/25

Site Name:

I Ellis Johnson Multi-
Corona Avenue
Laurinburg, NC 28352

Client Name:

Locklear, Locklear & Jacobs,
P.O. Box 3119
Pembroke, NC 28372

EDR Inquiry # 8037901.8

Contact: Miranda Horne

Search Documentation**DATA GAP**

The complete collection of Building Permit data available to EDR has been searched, and as of 7/03/25, EDR does not have access to building permits in the city where your target property is located (Laurinburg, NC).

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This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OF DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT. Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

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EDR BUILDING PERMIT REPORT

About This Report

The EDR Building Permit Report provides a practical and efficient method to search building department records for indications of environmental conditions. Generated via a search of municipal building permit records gathered from more than 1,600 cities nationwide, this report will assist you in meeting the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E1527 - 21), or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

Building permit data can be used to identify current and/or former operations and structures/features of environmental concern. The data can provide information on a target property and adjoining properties such as the presence of underground storage tanks, pump islands, sumps, drywells, etc., as well as information regarding water, sewer, natural gas, electrical connection dates, and current/former septic tanks.

Methodology

EDR has developed the EDR Building Permit Report through our partnership with BuildFax, the nation's largest repository of building department records. BuildFax collects, updates, and manages building department records from local municipal governments. The database now includes 30 million permits, on more than 10 million properties across 1,600 cities in the United States.

The EDR Building Permit Report comprises local municipal building permit records, gathered directly from local jurisdictions, including both target property and adjoining properties. Years of coverage vary by municipality. Data reported includes (where available): date of permit, permit type, permit number, status, valuation, contractor company, contractor name, and description.

Incoming permit data is checked at seven stages in a regimented quality control process, from initial data source interview, to data preparation, through final auditing. To ensure the building department is accurate, each of the seven quality control stages contains, on average, 15 additional quality checks, resulting in a process of approximately 105 quality control "touch points."

For more information about the EDR Building Permit Report, please contact your EDR Account Executive at (800) 352-0050.



I Ellis Johnson Multi-Family Housing Projecct

Corona Avenue

Laurinburg, NC, 28352

Inquiry Number: 8037901.7

July 7, 2025

EDR Environmental Lien and AUL Search



6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Environmental Lien and AUL Search

The EDR Environmental LienSearch Report provides results from a search of available current land title records for environmental cleanup liens and other activity and use limitations, such as engineering controls and institutional controls.

A network of professional, trained researchers, following established procedures, uses client supplied address information to:

- search for parcel information and/or legal description;
- search for ownership information;
- research official land title documents recorded at jurisdictional agencies such as recorders' offices, registries of deeds, county clerks' offices, etc.;
- access a copy of the deed;
- search for environmental encumbering instrument(s) associated with the deed;
- provide a copy of any environmental encumbrance(s) based upon a review of key words in the instrument(s) (title, parties involved, and description); and
- provide a copy of the deed or cite documents reviewed.

Thank you for your business.

Please contact EDR at 1-800-352-0050
with any questions or comments.

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EDR Environmental Lien and AUL Search

TARGET PROPERTY INFORMATION

ADDRESS

I ELLIS JOHNSON MULTI-FAMILY HOUSING PROJECCCT
CORONA AVENUE
LAURINBURG, NC, 28352

RESEARCH SOURCE

Source 1: Scotland County Tax Department
Source 2: Scotland County Register of Deeds

PROPERTY INFORMATION

Deed 1

Type of deed:	Special Warranty Deed
Title is vested in:	County of Scotland
Title received from:	Scotland County Board of Education
Deed Executed:	2/16/2022
Date Recorded:	2/24/2022
Book:	1753
Page:	246
Volume:	
Instrument:	
Docket:	
Land Record Comments:	
Miscellaneous Comments:	

Legal description:	See attached deed copy if available
Legal current owner:	County of Scotland
Property identifiers:	01008001002
Comments:	

EDR Environmental Lien and AUL Search

Deed 2

Type of deed:	N/A
Title is vested in:	N/A
Title received from:	N/A
Deed Executed:	N/A
Date Recorded:	N/A
Book:	N/A
Page:	N/A
Volume:	N/A
Instrument:	N/A
Docket:	N/A
Land Record Comments:	Records were searched at the Scotland County Register of Deeds office back to 1980. No conveyance was found transferring fee title ownership to the County of Scotland.
Miscellaneous Comments:	

Legal description:	See attached deed copy if available
Legal current owner:	County of Scotland
Property identifiers:	0100800100201
Comments:	

EDR Environmental Lien and AUL Search

ENVIRONMENTAL LIEN

Environmental Lien: Found ☐ Not Found ☒

If found:

- 1st Party:
- 2nd Party:
- Dated:
- Recorded:
- Book:
- Page:
- Docket:
- Volume:
- Instrument:
- Comments:
- Miscellaneous:

OTHER ACTIVITY AND USE LIMITATIONS (AULs)

Other AUL's: Found ☐ Not Found ☒

If found:

- 1st Party:
- 2nd Party:
- Dated:
- Recorded:
- Book:
- Page:
- Docket:
- Volume:
- Instrument:
- Comments:
- Miscellaneous:

EDR Environmental Lien and AUL Search

DEED EXHIBIT

Type: CONSOLIDATED REAL PROPERTY
Recorded: 2/24/2022 1:40:32 PM
Fee Amt: \$26.00 Page 1 of 2
Revenue Tax: \$0.00
Scotland County, NC
L Page Pratt III Register of Deeds
File# 2022-00000554

BK 1753 PG 246 - 247

This instrument prepared by: Edward H. Johnston, Jr., a licensed North Carolina attorney, delinquent taxes, if any, to be paid by the closing attorney to the county tax collector upon disbursement of closing proceeds. Parcel No. 010080 01002

THIS PROPERTY WAS NOT USED AS A PRIMARY RESIDENCE.

STATE OF NORTH CAROLINA

COUNTY OF SCOTLAND

THIS SPECIAL WARRANTY DEED, made and entered into this 16th day of February, 2022, by and between SCOTLAND COUNTY BOARD OF EDUCATION, a political subdivision existing under the laws of the State of North Carolina, whose address is 322 South Main Street, Laurinburg, North Carolina 28352, party of the first part; to COUNTY OF SCOTLAND, a political subdivision of the State of North Carolina, P. O. Box 489, Laurinburg, North Carolina 28353, party of the second part;

WITNESSETH:

That the said party of the first part for and in consideration of the sum of ONE HUNDRED (\$100.00) DOLLARS and other good and valuable consideration to it paid, the receipt of which is hereby acknowledged, has bargained and sold and by these presents does hereby bargain, sell and convey unto the said party of the second part, its successors and assigns, all of that certain tract or parcel of land lying and being in Stewartsville Township, Scotland County, North Carolina, and being more particularly described as follows:

Being all of that 14.99 Acre Tract as shown, located and described on that plat entitled "Map of a Survey for Scotland County Board of Education, 14.99 Acres" prepared by John McLean Land Surveying, PLLC, dated February 14, 2022 and recorded in Map Book 12, at Page 370, Scotland County Registry.

TO HAVE AND TO HOLD the aforesaid tract or parcel of land and all privileges and appurtenances thereunto belonging to it, the said party of the second part and its successors and assigns in fee simple.

And the said party of the first part does covenant that it has done nothing to impair such title as the party of the first part received; that said lands are free and clear of all encumbrances, except: current year ad valorem taxes; easements, restrictions, covenants and rights-of-way of record in Scotland County, North Carolina; and any local, county, state, or federal laws, ordinances or regulations relating to zoning, environment, subdivision, occupancy, use, construction or development of the Property; and that it will warrant and defend the said title to the same against the claims of all persons whomsoever, except for claims related to or arising from the above-stated exceptions.

IN TESTIMONY WHEREOF, the said party of the first part has caused this deed to be signed in its name by its Chair, and sealed with its corporate seal, all by authority duly given, all as of the day and year first above written.

SCOTLAND COUNTY BOARD OF EDUCATION

(SEAL)

By: *Rick Singletary*
RICK SINGLETARY
Chair of the Board

ATTEST:

Takeda Legrand
DR. TAKEDA LEGRAND, Superintendant and Secretary to the
Scotland County Board of Education

STATE OF NORTH CAROLINA

COUNTY OF SCOTLAND

I, *Miriam Davis*, a Notary Public in and for the aforesaid State and County, do hereby certify that DR. TAKEDA LEGRAND, personally appeared before me this day and acknowledged that she is the Superintendent and Secretary to the Scotland County Board of Education, and that by authority duly given and as the act of the Scotland County Board of Education, the foregoing instrument was signed in its name by RICK SINGLETARY, Chair of the Scotland County Board of Education, attested by herself as the Superintendent and the Secretary to the Scotland County Board of Education.

WITNESS my hand and Notarial Stamp or Seal this 23 day of February, 2022.

Miriam Davis
Notary Public

My Commission Expires:

12/02/2026



with the line of the lands which were a part of the estate of Daniel Middleton, decd., North 68½ West being also with the line of the lands sold by said W. M. Smith to A. A. James 17.50 chains to a stone corner of the land sold by the said Smith to the said A. A. James in the line of H. A. Stewart, now deceased; thence with a line of said H. A. Stewart, and with a line of the lands sold by said H. A. Stewart to the Town of Laurinburg for use as a cemetery, North 51 East 11.50 chains to the run of Leith's Creek; thence down the various courses of the center of the run of Leith's Creek to the BEGINNING, containing 10-6/10 acres, and being the same lands conveyed by Mrs. Catherine A. Middleton to Laurinburg Cemetery Company as will appear by reference to a deed bearing date July 11, 1908, recorded in the Office of the Register of Deeds of Scotland County Book "H", Page 123, to which deed and record reference is made and the same made a part hereof as fully as if herein incorporated.

The above described lands were conveyed to the Town of Laurinburg by deed recorded in Book J, at Page 392, Scotland County Registry.

TRACT THREE: Being Lot No. V in Section I of the Parkside Subdivision south of the City of Laurinburg, as shown, located, and described upon the subdivision plat made by Ralph S. Johnson and Frederick Pate, Registered Surveyors, dated January 26, 1960, which is recorded in Plat Book No. 6, at Page 8, Scotland County Registry, to which reference is hereby made for greater certainty of description. Said tract of land is described according to the plat as follows:

Bounded on the north by Henry Lane, on the east by Mack Road, on the south by McDougald Avenue, and on the west by Flowers Street, and BEGINNING at a concrete monument at the intersection of the northern line of McDougald Avenue with the eastern line of Flowers Street, located south 83 degrees 20 minutes east 360 feet, measured along the northern line of McDougald Avenue, from another concrete

monument which marks the intersection of the northern line of McDougald Avenue with the eastern line of South Caledonia Road, and runs thence with McDougald Avenue south 83 degrees 20 minutes east 340 feet to a concrete monument in the northern line of the Avenue; thence eastwardly with the northern line of the Avenue along the arc of a circle having a radius of 599.2 feet (for a distance of 308.9 feet along the chord line) to a concrete monument in the northern line of the Avenue; thence with McDougald Avenue north 66 degrees 47 minutes east 100.65 feet to a concrete monument at the intersection of the northern line of the Avenue with the western line of Mack Road; thence with Mack Road north 23 degrees 13 minutes west 300 feet to a concrete monument at the intersection of the western line of the Road with the southern line of Henry Lane; thence with the southern line of Henry Lane along the arc of a circle having a radius of 677.4 feet (for a distance of 349.4 feet along the chord line) to a concrete monument in the southern line of the Lane; thence with Henry Lane north 83 degrees 20 minutes west 238.55 feet to a concrete monument at the intersection of the southern line of the Lane with the eastern line of Flowers Street; thence with Flowers Street south 6 degrees 40 minutes west 300 feet to the BEGINNING.

The above described land was conveyed to the City of Laurinburg by deed recorded in Book 3-I, at Page 403, Scotland County Registry.

TO HAVE AND TO HOLD the aforesaid tracts or parcels of land unto Scotland County and its successors and assigns forever, but upon the condition that said lands shall be used for recreational purposes only.

It is understood and made a part of this conveyance that the tracts of land described hereinabove shall be used by Scotland County for recreational purposes only, and that if Scotland County fails to use the tracts for that purpose, then the land hereinabove conveyed shall revert to the City of Laurinburg.

BOOK

6 MAY 715

And it is further understood and made a part of this conveyance that in the event that the City of Laurinburg should ever in the future operate a recreational program and have need of the hereinabove described land, then upon the lapse of two years from the date of notification by formal resolution of the City Council of the City of Laurinburg to the County Commissioners of Scotland County, the land hereinabove conveyed shall revert to the City of Laurinburg.

The party of the first part covenants to and with the party of the second part that it is seized of the said lands and premises and that the same are free and clear of all encumbrances; and that it will forever warrant and defend the title hereby conveyed against the lawful claims of all persons whomsoever.

IN TESTIMONY WHEREOF, the party of the first part has caused this deed to be signed in its name by its Mayor and attested by the City Clerk and has caused its corporate seal to be hereunto affixed, all on the day and year first above written.

CITY OF LAURINBURG

By: 

MAYOR

ATTEST:


CITY CLERK

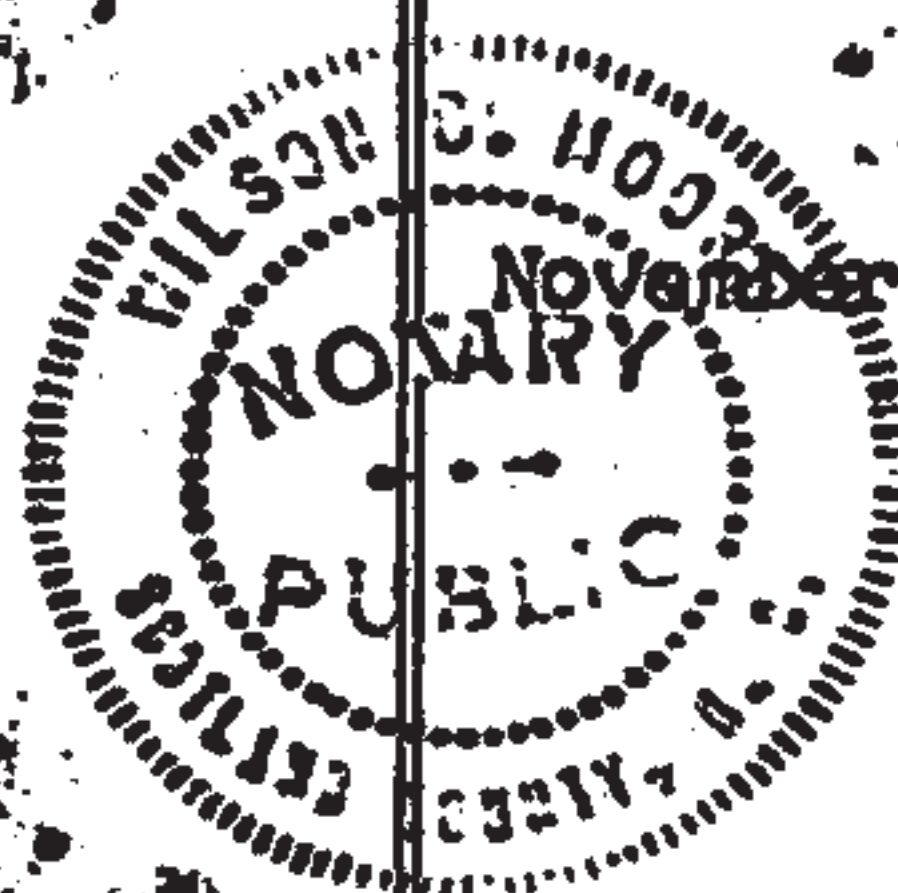
BOOK

6 716

STATE OF NORTH CAROLINA
COUNTY OF SCOTLAND

I, Wilson B. Moore, a Notary Public
in and for the State of North Carolina, do hereby certify that
DONALD G. LEWIS, JR. personally appeared before me this day and
being by me duly sworn, says that he knows the common seal of the
City of Laurinburg and is acquainted with J. KELLY PEARSON, who is
Mayor of the City of Laurinburg; and that he, the said Donald G.
Lewis, Jr., is the Clerk of the City of Laurinburg, and saw the said
Mayor sign the foregoing instrument, and that he the said Clerk as
aforesaid, affixed said seal to said instrument, and that he the said
Donald G. Lewis, Jr. signed his name in attestation of the execution
of said instrument in the presence of said Mayor of the City of
Laurinburg.

WITNESS my hand and Notarial Seal this 21st day of
November, 1973.



Wilson B. Moore
Notary Public

My commission expires:

October 1, 1978

STATE OF NORTH CAROLINA
COUNTY OF SCOTLAND

The foregoing certificate of Wilson B. Moore, a
Notary Public in and for the State of North Carolina, with the Notary's
Official Seal thereto affixed, is certified to be correct. This in-
strument was presented for registration and recorded in this office
in Book 6-0, at Page 712.

This the 6th day of December, 1973,
at 2:29 o'clock, P. M.

Margaret S. Peden
MARGARET S. PEDEN, REGISTER OF DEEDS
SCOTLAND COUNTY, NORTH CAROLINA

BOOK

6 PAGE 717

Deed Exhibit 2

Type: CONSOLIDATED REAL PROPERTY
Recorded: 2/24/2022 1:40:32 PM
Fee Amt: \$26.00 Page 1 of 2
Revenue Tax: \$0.00
Scotland County, NC
L Page Pratt III Register of Deeds
File# 2022-00000554

BK 1753 PG 246 - 247

This instrument prepared by: Edward H. Johnston, Jr., a licensed North Carolina attorney, delinquent taxes, if any, to be paid by the closing attorney to the county tax collector upon disbursement of closing proceeds. Parcel No. 010080 01002

THIS PROPERTY WAS NOT USED AS A PRIMARY RESIDENCE.

STATE OF NORTH CAROLINA

COUNTY OF SCOTLAND

THIS SPECIAL WARRANTY DEED, made and entered into this 16th day of February, 2022, by and between SCOTLAND COUNTY BOARD OF EDUCATION, a political subdivision existing under the laws of the State of North Carolina, whose address is 322 South Main Street, Laurinburg, North Carolina 28352, party of the first part; to COUNTY OF SCOTLAND, a political subdivision of the State of North Carolina, P. O. Box 489, Laurinburg, North Carolina 28353, party of the second part;

WITNESSETH:

That the said party of the first part for and in consideration of the sum of ONE HUNDRED (\$100.00) DOLLARS and other good and valuable consideration to it paid, the receipt of which is hereby acknowledged, has bargained and sold and by these presents does hereby bargain, sell and convey unto the said party of the second part, its successors and assigns, all of that certain tract or parcel of land lying and being in Stewartsville Township, Scotland County, North Carolina, and being more particularly described as follows:

Being all of that 14.99 Acre Tract as shown, located and described on that plat entitled “Map of a Survey for Scotland County Board of Education, 14.99 Acres” prepared by John McLean Land Surveying, PLLC, dated February 14, 2022 and recorded in Map Book 12, at Page 370, Scotland County Registry.

TO HAVE AND TO HOLD the aforesaid tract or parcel of land and all privileges and appurtenances thereunto belonging to it, the said party of the second part and its successors and assigns in fee simple.

And the said party of the first part does covenant that it has done nothing to impair such title as the party of the first part received; that said lands are free and clear of all encumbrances, except: current year ad valorem taxes; easements, restrictions, covenants and rights-of-way of record in Scotland County, North Carolina; and any local, county, state, or federal laws, ordinances or regulations relating to zoning, environment, subdivision, occupancy, use, construction or development of the Property; and that it will warrant and defend the said title to the same against the claims of all persons whomsoever, except for claims related to or arising from the above-stated exceptions.


IN TESTIMONY WHEREOF, the said party of the first part has caused this deed to be signed in its name by its Chair, and sealed with its corporate seal, all by authority duly given, all as of the day and year first above written.

SCOTLAND COUNTY BOARD OF EDUCATION

(SEAL)

By: 
RICK SINGLETARY
Chair of the Board

ATTEST:


DR. TAKEDA LEGRAND, Superintendant and Secretary to the
Scotland County Board of Education

STATE OF NORTH CAROLINA

COUNTY OF SCOTLAND

I, Miriam Davis, a Notary Public in and for the aforesaid State and County, do hereby certify that DR. TAKEDA LEGRAND, personally appeared before me this day and acknowledged that she is the Superintendent and Secretary to the Scotland County Board of Education, and that by authority duly given and as the act of the Scotland County Board of Education, the foregoing instrument was signed in its name by RICK SINGLETARY, Chair of the Scotland County Board of Education, attested by herself as the Superintendent and the Secretary to the Scotland County Board of Education.

WITNESS my hand and Notarial Stamp or Seal this 23 day of February, 2022.


Notary Public

My Commission Expires:

12/02/2026



I Ellis Johnson Multi-Family Housing Project

Corona Avenue
Laurinburg, NC 28352

Inquiry Number: 8037901.6
July 03, 2025

The EDR Property Tax Map Report

EDR Property Tax Map Report

Environmental Data Resources, Inc.'s EDR Property Tax Map Report is designed to assist environmental professionals in evaluating potential environmental conditions on a target property by understanding property boundaries and other characteristics. The report includes a search of available property tax maps, which include information on boundaries for the target property and neighboring properties, addresses, parcel identification numbers, as well as other data typically used in property location and identification.

NO COVERAGE

Thank you for your business.

Please contact EDR at 1-800-352-0050
with any questions or comments.

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Parcel #1 IE Johnson Multi-Family Affordable Housing

Area of Interest (AOI) Information

Jul 14 2025 13:45:20 Eastern Daylight Time



Parcels

#	Name	Address1	Address2	Address3	City
1	SCOTLAND COUNTY BOARD OF	EDUCATION	No Data	322 S MAIN ST	LAURINBURG
#	State	ZipCode	PropertyAd	AccountNum	PINID
1	NC	283523834	815 MCGIRTS BRIDGE RD	7072011.000000	01008001002
#	AssessedVa	BuildingVa	CountyTaxC	DeedBook	DeedDate
1	0	2,583,220	C	No Data	0
#	DeedPage	DeedStamps	ExemptionC	FireTaxCod	LegalDescr
1	0.000000	0	No Data	No Data	I E JOHNSON SCHOOL
#	MarketLand	MarketValu	ObxfValue	Area(acres)	
1	178,640	2,786,610	24,750	N/A	

Zoning Codes in Laurinburg

#	Zoning Code	Area(acres)
1	O-I	N/A

City Limits

#	City Name	Area(acres)
1	Laurinburg	N/A

This product is for informational purposes and may not have been prepared for, or be suitable for legal, engineering, or surveying purposes. Users of this information should review or consult the primary data and information sources to ascertain the usability of the information.



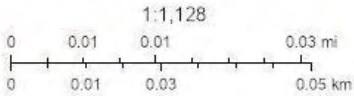
Parcel #2 IE Johnson Multi-Family Affordable Housing

Area of Interest (AOI) Information

Jul 14 2025 13:44:14 Eastern Daylight Time



- Address Points
- ▭ Parcels
- ▭ County Boundaries
- ▭ City Limits
- ▭ Extraterritorial Jurisdictions



NC CGIA, Maxar, Microsoft

Parcels

#	Name	Address1	Address2	Address3	City
1	SCOTLAND COUNTY	(PERMANENT LISTING)	PO BOX 488	No Data	LAURINBURG
#	State	ZipCode	PropertyAd	AccountNum	PINID
1	NC	283530488	CORONA AV	7071006.000000	0100800100201
#	AssessedVa	BuildingVa	CountyTaxC	DeedBook	DeedDate
1	0	0	C	0006O	19731120
#	DeedPage	DeedStamps	ExemptionC	FireTaxCod	LegalDescr
1	712.000000	0	No Data	No Data	LINCOLN PARK
#	MarketLand	MarketValu	ObxfValue	Area(acres)	
1	47,700	47,700	0	N/A	

Zoning Codes in Laurinburg

#	Zoning Code	Area(acres)
1	O-I	N/A

City Limits

#	City Name	Area(acres)
1	Laurinburg	N/A

This product is for informational purposes and may not have been prepared for, or be suitable for legal, engineering, or surveying purposes. Users of this information should review or consult the primary data and information sources to ascertain the usability of the information.

APPENDIX IV: SITE PHOTOGRAPHS



*View between former school and
proposed housing site from **north to
south.***



*View between former school and
proposed housing site from **west to
east.***



*View between former school and proposed housing site from **east to west**.*



*View of wooded perimeter from **north to south**.*



*View of proposed housing site from
south to north.*



*View of proposed housing site from
west to east.*



*View of former school from **east to west.***



*View of former school from **south to north.***



APPENDIX V: QUESTIONNAIRES & INTERVIEW DOCUMENTATION





LOCKLEAR, LOCKLEAR & JACOBS, PLLC

PHASE I ENVIRONMENTAL SITE ASSESSMENT USER QUESTIONNAIRE

I Ellis Johnson Multi-Family Housing Project

To qualify for one of the *Landowner Liability Protections (LLPs)*, offered by the Small Business Liability Relief and Brownfields Revitalization Act of 2001 (the “Brownfields Amendments”), the User must provide the following information, if available, to the environmental professional. Failure to conduct these inquiries could result in a determination that “*all appropriate inquiries*” is not complete.

1. Environmental liens that are filed or recorded against the subject property (40 CFR 312.25).

Are you aware of any environmental liens against the property that are filed or recorded under federal, tribal, state or local law?

None

2. Activity and use limitations that are in place on the subject property or that have been filed or recorded against the subject property?

Are you aware of any Activity and Use Limitations (AULs), such as engineering controls, land use restrictions or institutional controls that are in place at the subject property and/or have been filed or recorded in a registry under federal, tribal, state or local law?

Not aware of any

3. Specialized knowledge or experience of the person seeking to qualify for the LLP (40 CFR 312.28).

As the User of this ESA, do you have any specialized knowledge or experience related to the subject property or nearby properties? For example, are you involved in the same line of business as the current or former occupants of the subject property or an adjoining property so that you would have specialized knowledge of the chemicals and processes used by this type of business?

Not to my knowledge

4. Relationship of the purchase price to the fair market value of the subject property if it were not contaminated (40 CFR 312.29).

Does the purchase price being paid for this subject property reasonably reflect the fair market value of the property? If you conclude that there is a difference, have you considered whether the lower purchase price is because contamination is known or believed to be present at the subject property?

N/A

5. Commonly known or reasonably ascertainable information about the property (40 CFR 312.30).

Are you aware of information about the subject property that would help to identify conditions indicative of releases or threatened releases such as: (a) past uses of the subject property; (b) presence of specific chemicals (past or present); (c) spills or chemical releases at the subject property; or (d) environmental cleanups that have taken place at the subject property?

None - property formerly used as a school

6. The degree of obviousness of the presence or likely presence of contamination at the subject property, and the ability to detect the contamination by appropriate investigation (40 CFR 312.31).

Based on your knowledge and experience related to the subject property as the User of this ESA, are there any obvious indicators that point to the presence or likely presence of releases at the subject property?

None noted or likely

In addition, certain other information should be collected, if available, and provided to the environmental professional conducting the Phase I ESA. This information is intended to assist the environmental professional but is not necessarily required to qualify for one of the LLPs. This information includes:

1. What is the reason why the Phase I ESA is being performed (i.e., why is it needed)?

To satisfy conditions of NCORR grant

2. What type of property and type of property transaction is the subject property? For example, sale, purchase, exchange, etc.

Deeding property

3. What is the complete and correct address for the subject property or Parcel Identification Number if no complete address is available?

815 McGirts Bridge Road, Laurinburg, NC 28352

4. What parties, if any, outside of the User will be relying on this Phase I ESA Report?

NCORR and Scotland County



5. Who is the site contact for the subject property and what is their contact information?

Mike McGirt, Scotland County

6. Who is the current owner and/or occupants of the subject property?

Scotland County

7. How many and what type of structures are on the subject property? What materials are they made of?

2 brick and masonry

8. How are the structures heated and cooled (if applicable)?

Electric HVAC

9. Is there active electrical power on site?

Yes

10. What is the water source to the property (if applicable)?

City of Laurinburg

11. Where is the sanitary sewer discharged to (if applicable)?

City of Laurinburg

12. Do you have any knowledge of underground storage tanks on the property, either currently or in the past?

Per Tommy Zydor (Scotland County Schools) - none that he is aware of

13. What type of underground storage tanks are/were they? Size? Contents? Are they empty, or do they have material in them? If they contain material, what type?

N/A

14. Are any services beyond the requirements of ASTM E1527-21 required or are there any special terms and conditions that must be agreed upon by the environmental professional?

Unaware of any special terms and conditions at this time

Printed Name: Mike McGirt Signature: Mike McGirt Date: 30/06/25
Mike McGirt (Jun 30, 2025 06:42 EDT)

Organization: Scotland County Title: Public Buildings Director




IE Johnson Multi-Family Housing Project - Phase I ESA User Questionnaire

Final Audit Report

2025-06-30

Created:	2025-06-26
By:	Cynthia Foskey (foskeyc@scapnc.org)
Status:	Signed
Transaction ID:	CBJCHBCAABAAFF6jgaaG315T5yLu2VOYajm-J22-vWC_

"IE Johnson Multi-Family Housing Project - Phase I ESA User Questionnaire" History

-  Document created by Cynthia Foskey (foskeyc@scapnc.org)
2025-06-26 - 9:02:05 PM GMT
-  Document emailed to Mike McGirt (mmcgirt@scotlandcounty.org) for signature
2025-06-26 - 9:02:09 PM GMT
-  Email viewed by Mike McGirt (mmcgirt@scotlandcounty.org)
2025-06-30 - 10:39:06 AM GMT
-  Document e-signed by Mike McGirt (mmcgirt@scotlandcounty.org)
Signature Date: 2025-06-30 - 10:42:46 AM GMT - Time Source: server
-  Agreement completed.
2025-06-30 - 10:42:46 AM GMT



LOCKLEAR, LOCKLEAR & JACOBS, PLLC

USER PROVIDED INFORMATION

The following is a list of documents and information that could be useful to LL&J in preparing this Phase I Environmental Site Assessment (ESA). Please check all appropriate boxes below, sign, and attach this along with the completed User Questionnaire. We will contact you regarding the review of any available materials. This User Questionnaire and User Provided Information Form will be attached to, and made a part of, the completed Phase I ESA.

Yes	No	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	1. Environmental Site Assessment reports (prior)
<input type="checkbox"/>	<input checked="" type="checkbox"/>	2. Environmental audit reports
<input type="checkbox"/>	<input checked="" type="checkbox"/>	3. Environmental permits (i.e. solid waste disposal permits, hazardous waste disposal permits, wastewater permits, NPDES permits)
<input type="checkbox"/>	<input checked="" type="checkbox"/>	4. Registrations for underground and above-ground storage tanks
<input type="checkbox"/>	<input checked="" type="checkbox"/>	5. Material safety data sheets (MSDS)
<input type="checkbox"/>	<input checked="" type="checkbox"/>	6. Community right-to-know plan
<input type="checkbox"/>	<input checked="" type="checkbox"/>	7. Safety plans; preparedness and prevention plans; spill prevention, countermeasure and control plans, etc.
<input type="checkbox"/>	<input checked="" type="checkbox"/>	8. Reports regarding hydrologic conditions on the property or surrounding area
<input type="checkbox"/>	<input checked="" type="checkbox"/>	9. Reports of any past or current environmental remediation on-site or on adjoining properties
<input type="checkbox"/>	<input checked="" type="checkbox"/>	10. Notices or other correspondence from any government agency relating to past or existing environmental liens encumbering the property
<input type="checkbox"/>	<input checked="" type="checkbox"/>	11. Hazardous waste generator notices or reports
<input type="checkbox"/>	<input checked="" type="checkbox"/>	12. Geotechnical reports/studies
<input type="checkbox"/>	<input checked="" type="checkbox"/>	13. Report of earthwork or land filling activities on-site
<input type="checkbox"/>	<input checked="" type="checkbox"/>	14. Information concerning any pending, threatened, or past litigation or administrative proceedings relevant to hazardous substances or petroleum products
<input type="checkbox"/>	<input checked="" type="checkbox"/>	15. Notices from any governmental entity regarding any possible violation of environmental laws or possible liability relating to hazardous substances or petroleum products
<input checked="" type="checkbox"/>	<input type="checkbox"/>	16. Disclosure of sumps, pits, drainage systems (i.e. the existence of and location)
<input checked="" type="checkbox"/>	<input type="checkbox"/>	17. Building plans (architectural, utility, structural)
<input checked="" type="checkbox"/>	<input type="checkbox"/>	18. Description of current site operations, including layout drawings or sketches
<input type="checkbox"/>	<input checked="" type="checkbox"/>	19. Title report/chain-of-title
<input checked="" type="checkbox"/>	<input type="checkbox"/>	20. Tax assessor records (previous owner and occupants)
<input type="checkbox"/>	<input checked="" type="checkbox"/>	21. Purchase price analysis (if lower than any comparables)
<input checked="" type="checkbox"/>	<input type="checkbox"/>	22. Current and historical photographs of the site
<input checked="" type="checkbox"/>	<input type="checkbox"/>	23. Current and historical topographic maps of the site

Printed Name: Mike McGirt Signature: *Mike McGirt* Date: 01/07/2025
Organization: Scotland County Title: Director of Maintenance



ATTACHMENT 8:

Endangered Species

USFWS and NCORR Correspondence and
USFWS Raleigh FO 10-step Package

USFWS Lighting Guidance

Permanent and Temporary Lighting. Recent studies indicate that artificial lighting disrupts the natural reproduction and feeding patterns of nocturnal pollinators such as beetles and moths. This disruption results in a decrease of pollination rates in plants and a decrease in the health and diversity of nocturnal pollinators. Other studies have shown that bat species richness decreases with the presence of artificial lighting, with *Myotis* species being particularly vulnerable (Spoelstra et al. 2017, Stone et al. 2012, Downs 2003, Linley 2017). Road lighting deters many bat species from approaching the road, notably slow-flying, woodland-adapted species such as *Myotis* sp. (Rydell 1992; Blake et al. 1994; Stone et al. 2009, 2012). The presence of artificial lighting may cause spatial avoidance of preferred commuting routes (Stone et al. 2009) and drinking areas (Russo et al. 2017) and force light-shy bats to use suboptimal flight routes or fly further to reach foraging sites, requiring them to expend more energy (Stone et al. 2009, 2012) resulting in diminished fitness and/or reduced survivorship. Type and color of artificial lighting has been shown to impact bat species differently (Spoelstra et al. 2017, Downs 2003). Artificial lighting of any kind can cause a delay in emergence from roosts and increase the overall duration of emergence (Stone et al. 2009, Rydell et al. 2017), lower the amount of bat activity at a roost (Linley 2017), and cause high colony loss when omnidirectional lighting leaves no dark corridor to and from the roost (Rydell et al. 2017). This in turn decreases available foraging time, juvenile growth rates, and overall colony health (Stone et al. 2015). Finally, per the American Medical Association (AMA 2016) and International Dark-Sky Association (IDA), roadway lighting can have adverse consequences on human health. High-intensity light emitting diode (LED) lighting designs or poorly shielded outdoor lighting can create nighttime glare, which can decrease vision by reducing contrast. Also, blue-rich LED streetlights can suppress melatonin, impacting circadian sleep rhythms in humans.

When developing an outdoor lighting plan, installing new outdoor lighting, maintaining or upgrading existing lights, or changing lighting types, we recommend consideration of the following measures to minimize potential adverse effects to pollinators and bats. For additional information and actions that can be taken to reduce outdoor light pollution, check out IDA's website¹.

- **For all projects involving the Addition or Modification of Lighting:**
 - Lighting should only be on when needed, only light the area that needs it, be no brighter than necessary, minimize blue light emissions, and be fully shielded (pointing downward) (IDA 2022).¹
 - Avoid lighting landscape features such as trees, shrubs, building facades, adjacent wooded areas, and the surface waters of rivers and streams that provide suitable habitat for bats, pollinators, and other wildlife species.
- **For Temporary Construction Lighting Between March 15 and November 15:**
 - Limit all construction-related lighting to whatever is necessary to maintain safety in *active* work areas.
 - If installing lighting to ensure safe passage for river users, install steady-state, solar-powered red lighting to avoid nighttime noise from generators.
- **For Permanent Lighting:**
 - When installing new or replacing existing permanent lights, use downward-facing, full cut-off² lens lights (with same intensity or less for replacement lighting); or for those transportation agencies using the Backlight-Uplight-Glare (BUG) system developed by the Illuminating Engineering Society³, the goal is to be as close to 0 for all three ratings with a priority of "uplight" of 0 and "backlight" as low as practicable.

¹ <https://www.darksky.org/our-work/lighting/lighting-for-citizens/lighting-basics/>

² <https://www.darksky.org/our-work/grassroots-advocacy/resources/glossary/>

³ http://shop.innovativelight.com/media/cms/BUG_ratings_3044A7612FA89.pdf

USFWS Lighting Guidance

Permanent lighting *continued*:

- Use light fixtures with a lower lumen output, reducing overall brightness.
- Use the shortest light poles that meet highway and safety requirements.
- If using LEDs, use lights with Type I or II distribution patterns⁴ that create rectangular lighting patterns that limit light spill into adjacent habitats.
- For bridge projects, consider design features that block automobile headlights from reaching surface waters and surrounding riparian habitats.
- Prioritize use of low-pressure sodium (LPS), high-pressure sodium (HPS), or LED light sources that emit “warm” light. “Warm” light sources are those that contain low amounts of blue light in their spectrum. Choosing light sources with a color temperature of no more than 3,000 Kelvins will minimize the effects of blue light exposure (Downs 2003)⁵.

⁴ <https://eyelighting.com/lighting-technology-education/led-lighting-basics/led-distribution-types>

⁵ <https://www.darksky.org/light-pollution/human-health/>

Gievers, Andrea

From: Matthews, Kathryn (Kathy) <kathryn_matthews@fws.gov>
Sent: Thursday, July 31, 2025 1:02 PM
To: Gievers, Andrea
Cc: Mann, Leigh
Subject: Re: [EXTERNAL] Bats - Lighting Recommendations
Attachments: 2022a_guidance_AshvilleFO_Lighting.docx

CAUTION: External email. Do not click links or open attachments unless verified. Report suspicious emails with the Report Message button located on your Outlook menu bar on the Home tab.

Hi Andrea, I am attaching a 2022 document from our Asheville Field Office that may be helpful.

Please also note that in our Determination Key on IPaC (for NLEB and TCB), actions that include lighting may be eligible for a determination of "not likely to adversely affect" (NLAA) when they include the following measures:

1. The use of downward-facing, full cut-off lens lights (with same intensity or less for replacement lighting) when installing new or replacing existing permanent lights.
2. Or, if using the Backlight, Uplight, Glare (BUG) system developed by the Illuminating Engineering Society, all three ratings (backlight, uplight, and glare) should be as close to zero as is possible, with a priority of "uplight" of 0.
3. Temporary lighting should be directed away from suitable NLEB or TCB roosting habitat.

I hope this is helpful.

Kathy Matthews
Fish and Wildlife Biologist
U.S. Fish and Wildlife Service
3916 Sunset Ridge Rd.
Raleigh, NC 27607
Phone 984-308-0852



From: Gievers, Andrea <andrea.l.gievers@rebuild.nc.gov>
Sent: Thursday, July 31, 2025 1:41 PM
To: Matthews, Kathryn (Kathy) <kathryn_matthews@fws.gov>
Cc: Mann, Leigh <leigh_mann@fws.gov>
Subject: [EXTERNAL] Bats - Lighting Recommendations

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Hi Kathy:

I hope all is well. Did you have a copy of the lighting requirements/ recommendations for the Tricolored Bat and NLEB? I would like to include in my EAs' mitigation measures. Thanks so much! Have a lovely day.

Sincerely,

Andrea

Andrea Gievers, JD, MSEL, ERM
Environmental SME
Community Development
NC Office of Recovery and Resiliency
Andrea.L.Gievers@Rebuild.NC.Gov
(845) 682-1700

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United States Department of the Interior



FISH AND WILDLIFE SERVICE
Ecological Services, Eastern North Carolina Field Office
3916 Sunset Ridge Rd.
Raleigh, North Carolina, 27607

December 10, 2024

Miranda Horne, Project Manager
Locklear, Locklear & Jacobs, PLLC
114 W. 3rd Street
Pembroke, North Carolina 28372

Re: I. Ellis Johnson Multi-Family Affordable Housing – Scotland County, NC
IPaC Project Code: 2025-0028248

Dear Ms. Horne:

Thank you for using the U.S. Fish and Wildlife Service's on-line project planning and consultation process to determine whether a federally-listed species or designated critical habitat may be affected by your proposed project. Our comments are submitted pursuant to, and in accordance with, provisions of the Endangered Species Act.

Based on the information provided and other information available, it appears that the proposed action is not likely to adversely affect any federally-listed endangered or threatened species, their formally designated critical habitat, or species currently proposed for listing under the Act at these sites. We believe that the requirements of section 7(a)(2) of the Act have been satisfied for your project. Please remember that obligations under section 7 consultation must be reconsidered if: (1) new information reveals impacts of this identified action that may affect listed species or critical habitat in a manner not previously considered; (2) this action is subsequently modified in a manner that was not considered in this review; or, (3) a new species is listed or critical habitat determined that may be affected by the identified action.

If you have any questions or concerns, please feel free to contact Kathy Matthews at 984-308-0852 or kathryn_matthews@fws.gov.

Sincerely,

for Pete Benjamin
Field Supervisor




Re: [EXTERNAL] Online Project Review Certification Letter - IPaC Project Code: 2025-0028248

From Matthews, Kathryn (Kathy) <kathryn_matthews@fws.gov>

Date Tue 12/10/2024 10:56 AM

To Miranda Horne <mirandahorne@llandj.com>

Cc Mann, Leigh <leigh_mann@fws.gov>

 1 attachment (196 KB)

20241210_ltr_FWS_LL&J_IJohnson.pdf;

Great. I had the feeling that changing that answer would help. While we don't want to encourage people to change answers to something that isn't honest (answer shopping), we do have a lot of confusion about the traffic increase question, and to me, that question is more appropriate for a new road going through a previously unaffected area, or a road widening that will really increase traffic in the local area. I don't think your project fits that situation mainly due to the location in an area that is already urban.

I apologize about IPaC - we are having trouble with saving and printing today. Hopefully, it will be fixed soon and you will be able to print the consistency letter.

Attached is a signed letter for the non-bat species. Have a happy holiday.

We are in the process of moving to our new office. Please see our new physical courier address, below. Mail may also still be sent to our P.O. Box. Thanks!

Kathy Matthews
NC Renewable Energy Coordinator
U.S. Fish and Wildlife Service
3916 Sunset Ridge Rd.
Raleigh, NC 27607
Phone 984-308-0852

Or

P.O. Box 33726
Raleigh, NC 27636-3726

From: Miranda Horne <mirandahorne@llandj.com>

Sent: Tuesday, December 10, 2024 9:47 AM

To: Matthews, Kathryn (Kathy) <kathryn_matthews@fws.gov>

Cc: Mann, Leigh <leigh_mann@fws.gov>

Subject: RE: [EXTERNAL] Online Project Review Certification Letter - IPaC Project Code: 2025-0028248

Good morning Ms. Matthews,

Thank you so much for your prompt response. I have gone into IPaC and updated this question per your instructions. A determination of may affect – not likely to adversely affect has been received however, I am having trouble generating a new consistency letter. I have submitted a ticket to the help desk for assistance. Once I receive the updated letter, do I need to forward that back to you for record purposes?

Based on the project's funding requirements, if possible, an official letter would be very helpful to include in my submission.

Thank you for your assistance,

Miranda Horne
Project Manager
Locklear, Locklear & Jacobs, PLLC



PO Box 3119

*114 W. 3rd Street
Pembroke, North Carolina 28372
O: (910) 774- 9306 ext. 6*

mirandahorne@llandj.com
www.llandj.com

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From: Matthews, Kathryn (Kathy) <kathryn_matthews@fws.gov>
Sent: Tuesday, December 10, 2024 9:29 AM
To: Miranda Horne <mirandahorne@llandj.com>
Cc: Mann, Leigh <leigh_mann@fws.gov>
Subject: Re: [EXTERNAL] Online Project Review Certification Letter - IPaC Project Code: 2025-0028248

Hi Miranda,

The Service agrees that this project is not likely to adversely affect any listed species. For TCB, it appears that the "May Affect" determination that you received is based on your answer to the question about increasing traffic. I would probably change that to "No" and see if you get a different answer. The question is asking if there is a significant increase in the average daily traffic from what

is already established in town. This is an urban setting, so I doubt that there will be a very significant increase. I think you can say "no" for that.

Regardless of whether you change your answer in the Dkey, based on the commitment to lighting measures and the statement that no trees are proposed for removal, the Service believes that the project is not likely to adversely affect the tricolored bat.

I hope this is helpful. Please let me know if you need a letter (rather than this email). I am on leave from 12/13 to 12/30, so please let me know ASAP if you need a signed letter.

Thanks, and happy holidays.

We are in the process of moving to our new office. Please see our new physical courier address, below. Mail may also still be sent to our P.O. Box. Thanks!

Kathy Matthews
NC Renewable Energy Coordinator
U.S. Fish and Wildlife Service
3916 Sunset Ridge Rd.
Raleigh, NC 27607
Phone 984-308-0852

Or

P.O. Box 33726
Raleigh, NC 27636-3726

From: Raleigh, FW4 <raleigh@fws.gov>
Sent: Tuesday, December 10, 2024 8:27 AM
To: Matthews, Kathryn (Kathy) <kathryn_matthews@fws.gov>
Subject: Fw: [EXTERNAL] Online Project Review Certification Letter - IPaC Project Code: 2025-0028248

From: Miranda Horne <mirandahorne@llandj.com>
Sent: Tuesday, December 10, 2024 12:11 AM
To: Raleigh, FW4 <raleigh@fws.gov>
Cc: Jonathan Locklear <jonathanlocklear@llandj.com>
Subject: [EXTERNAL] Online Project Review Certification Letter - IPaC Project Code: 2025-0028248

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To whom it may concern,

Please find attached, the completed Project Review Package for the above referenced project. Should you have any problems viewing the package or need any additional information, please feel free to contact me via email or at the phone number listed below.

Respectfully Submitted,

Miranda Horne

Project Manager

Locklear, Locklear & Jacobs, PLLC



PO Box 3119

114 W. 3rd Street

Pembroke, North Carolina 28372

O: (910) 774- 9306 ext. 6

mirandahorne@llandj.com

www.llandj.com

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United States Department of the Interior

FISH AND WILDLIFE SERVICE



Raleigh Field Office
P.O. Box 33726
Raleigh, NC 27636-3726

Date: December 9, 2024

Self-Certification Letter

Project Name I Ellis Johnson Multi-Family Affordable Housing

IPaC Project Code: 2025-0028248 IPaC Record Locator #

Dear Applicant:

Thank you for using the U.S. Fish and Wildlife Service (Service) Raleigh Ecological Services online project review process. By printing this letter in conjunction with your project review package, you are certifying that you have completed the online project review process for the project named above in accordance with all instructions provided, using the best available information to reach your conclusions. This letter, and the enclosed project review package, completes the review of your project in accordance with the Endangered Species Act of 1973 (16 U.S.C. 1531-1544, 87 Stat. 884), as amended (ESA), and the Bald and Golden Eagle Protection Act (16 U.S.C. 668-668c, 54 Stat. 250), as amended (Eagle Act). This letter also provides information for your project review under the National Environmental Policy Act of 1969 (P.L. 91-190, 42 U.S.C. 4321-4347, 83 Stat. 852), as amended. A copy of this letter and the project review package must be submitted to this office for this certification to be valid. This letter and the project review package will be maintained in our records.

The species conclusions table in the enclosed project review package summarizes your ESA and Eagle Act conclusions. Based on your analysis, mark all the determinations that apply:

- ☐ “no effect” determinations for proposed/listed species and/or proposed/designated critical habitat; and/or
- ☒ “may affect, not likely to adversely affect” determinations for proposed/listed species and/or proposed/designated critical habitat; and/or
- ☒ “no Eagle Act permit required” determinations for eagles.

We certify that use of the online project review process in strict accordance with the instructions provided as documented in the enclosed project review package results in reaching the appropriate determinations. Therefore, we concur with the “no effect” or “not likely to adversely affect” determinations for proposed and listed species and proposed and designated critical habitat; the “may affect” determination for Northern long-eared bat; and/or the “no Eagle Act permit required” determinations for eagles. Additional coordination with this office is not needed. Candidate species are not legally protected pursuant to the ESA. However, the Service encourages consideration of these species by avoiding adverse impacts to them. Please contact this office for additional coordination if your project action area contains candidate species. Should project plans change or if additional information on the distribution of proposed or listed species, proposed or designated critical habitat, or bald eagles becomes available, this determination may be reconsidered. This certification letter is valid for 1 year. Information about the online project review process including instructions, species information, and other information regarding project reviews within North Carolina is available at our website <http://www.fws.gov>. If you have any questions, you can write to us at Raleigh@fws.gov or please contact Leigh Mann of this office at 919-856-4520, ext. 10.

Sincerely,

/s/Pete Benjamin

Pete Benjamin
Field Supervisor
Raleigh Ecological Services

Enclosures - project review package



United States Department of the Interior

FISH AND WILDLIFE SERVICE
Raleigh Ecological Services Field Office
3916 Sunset Ridge Rd
Raleigh, NC 27607
Phone: (919) 856-4520 Fax: (919) 856-4556



In Reply Refer To:

12/06/2024 00:26:06 UTC

Project Code: 2025-0028248

Project Name: I Ellis Johnson Multi-Family Affordable Housing

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.*). If your project area contains suitable habitat for any of the federally-listed species on this species list, the proposed action has the potential to adversely affect those species. If suitable habitat is present, surveys should be conducted to determine the species' presence or absence within the project area. The use of this species list and/or North Carolina Natural Heritage program data should not be substituted for actual field surveys.

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 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 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:

<https://www.fws.gov/sites/default/files/documents/endangered-species-consultation-handbook.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/program/migratory-bird-permit/what-we-do>.

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/library/collections/threats-birds>.

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/partner/council-conservation-migratory-birds>.

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.

Attachment(s):

- Official Species List
- USFWS National Wildlife Refuges and Fish Hatcheries
- Bald & Golden Eagles
- Migratory Birds

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
3916 Sunset Ridge Rd
Raleigh, NC 27607
(919) 856-4520

PROJECT SUMMARY

Project Code: 2025-0028248

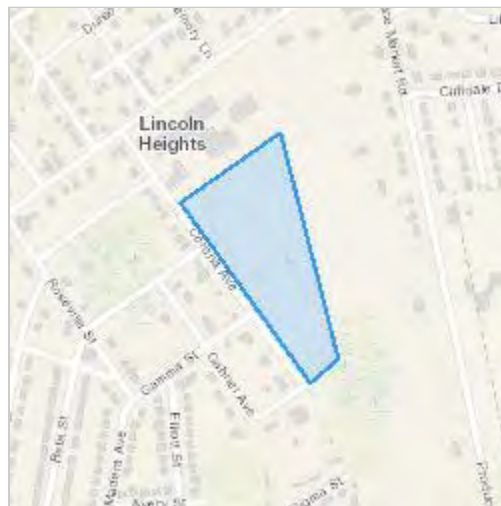
Project Name: I Ellis Johnson Multi-Family Affordable Housing

Project Type: Residential Construction

Project Description: Southeastern Community Action Partnership (SCAP) has entered into an agreement with the Owner (Scotland County) of the proposed project site to acquire it. The proposed project site is suitable for an affordable housing development that involves the new construction of multiple one-, two-, and three-bedroom units of supportive housing targeting households at or below 80% AMI. This project will be broken up into two (2) separate phases with the following preliminary breakdown: Phase I: 10 units (1- and 2- bedroom units); Phase II: 45 units (2- and 3- bedroom units). Units of Phase I will be targeted at homeless households. The project will be designed to meet NCHFA guidelines and will be energy-efficient and cost-effective.

Project Location:

The approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/@34.78035945,-79.44444180212906,14z>



Counties: Scotland County, North Carolina

ENDANGERED SPECIES ACT SPECIES

There is a total of 8 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 Fisheries¹, 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.

MAMMALS

NAME	STATUS
Tricolored Bat <i>Perimyotis subflavus</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/10515	Proposed Endangered

BIRDS

NAME	STATUS
Red-cockaded Woodpecker <i>Dryobates borealis</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/7614	Threatened

REPTILES

NAME	STATUS
American Alligator <i>Alligator mississippiensis</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/776	Similarity of Appearance (Threatened)

INSECTS

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

FLOWERING PLANTS

NAME	STATUS
American Chaffseed <i>Schwalbea americana</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/1286	Endangered
Canby's Dropwort <i>Oxypolis canbyi</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/7738	Endangered
Michaux's Sumac <i>Rhus michauxii</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/5217	Endangered
Rough-leaved Loosestrife <i>Lysimachia asperulaefolia</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/2747	Endangered

CRITICAL HABITATS

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

YOU ARE STILL REQUIRED TO DETERMINE IF YOUR PROJECT(S) MAY HAVE EFFECTS ON ALL ABOVE LISTED SPECIES.

USFWS NATIONAL WILDLIFE REFUGE LANDS AND FISH HATCHERIES

Any activity proposed on lands managed by the [National Wildlife Refuge](#) system must undergo a 'Compatibility Determination' conducted by the Refuge. Please contact the individual Refuges to discuss any questions or concerns.

THERE ARE NO REFUGE LANDS OR FISH HATCHERIES WITHIN YOUR PROJECT AREA.

BALD & GOLDEN EAGLES

Bald and golden eagles are protected under the Bald and Golden Eagle Protection Act¹ and the Migratory Bird Treaty Act².

Any person or organization who plans or conducts activities that may result in impacts to bald or golden eagles, or their habitats³, should follow appropriate regulations and consider implementing appropriate conservation measures, as described in the links below. Specifically, please review the ["Supplemental Information on Migratory Birds and Eagles"](#).

-
1. The [Bald and Golden Eagle Protection Act](#) of 1940.
 2. The [Migratory Birds Treaty Act](#) of 1918.
 3. 50 C.F.R. Sec. 10.12 and 16 U.S.C. Sec. 668(a)

THERE ARE NO BALD AND GOLDEN EAGLES WITHIN THE VICINITY OF YOUR PROJECT AREA.

MIGRATORY BIRDS

Certain birds are protected under the Migratory Bird Treaty Act¹ and the Bald and Golden Eagle Protection Act².

Any person or organization who plans or conducts activities that may result in impacts to migratory birds, eagles, and their habitats³ should follow appropriate regulations and consider implementing appropriate conservation measures, as described in the links below. Specifically, please review the ["Supplemental Information on Migratory Birds and Eagles"](#).

-
1. The [Migratory Birds Treaty Act](#) of 1918.

2. The [Bald and Golden Eagle Protection Act](#) of 1940.
3. 50 C.F.R. Sec. 10.12 and 16 U.S.C. Sec. 668(a)

For guidance on when to schedule activities or implement avoidance and minimization measures to reduce impacts to migratory birds on your list, see the PROBABILITY OF PRESENCE SUMMARY below to see when these birds are most likely to be present and breeding in your project area.

NAME	BREEDING SEASON
Chimney Swift <i>Chaetura pelagica</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/9406	Breeds Mar 15 to Aug 25

PROBABILITY OF PRESENCE SUMMARY

The graphs below provide our best understanding of when birds of concern are most likely to be present in your project area. This information can be used to tailor and schedule your project activities to avoid or minimize impacts to birds. Please make sure you read "[Supplemental Information on Migratory Birds and Eagles](#)", specifically the FAQ section titled "Proper Interpretation and Use of Your Migratory Bird Report" before using or attempting to interpret this report.

Probability of Presence (■)

Green bars; the bird's relative probability of presence in the 10km grid cell(s) your project overlaps during that week of the year.

Breeding Season (■)

Yellow bars; liberal estimate of the timeframe inside which the bird breeds across its entire range.

Survey Effort (|)

Vertical black lines; the number of surveys performed for that species in the 10km grid cell(s) your project area overlaps.

No Data (—)

A week is marked as having no data if there were no survey events for that week.

■ probability of presence ■ breeding season | survey effort — no data

SPECIES JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC

Chimney Swift
BCC Rangewide
(CON)



Additional information can be found using the following links:

- Eagle Management <https://www.fws.gov/program/eagle-management>
- Measures for avoiding and minimizing impacts to birds <https://www.fws.gov/library/collections/avoiding-and-minimizing-incidental-take-migratory-birds>
- Nationwide conservation measures for birds <https://www.fws.gov/sites/default/files/documents/nationwide-standard-conservation-measures.pdf>
- Supplemental Information for Migratory Birds and Eagles in IPaC <https://www.fws.gov/media/supplemental-information-migratory-birds-and-bald-and-golden-eagles-may-occur-project-action>

IPAC USER CONTACT INFORMATION

Agency: Private Entity
Name: Miranda Horne
Address: 114 W 3rd Street
City: Pembroke
State: NC
Zip: 28372
Email: mirandahorne@llandj.com
Phone: 9107749306



Roy Cooper, Governor

D. Reid Wilson, Secretary

Misty Buchanan
Deputy Director, Natural Heritage Program

NCNHDE-28400

November 19, 2024

Miranda Horne
Locklear, Locklear & Jacobs, PLLC
114 W 3rd Street
Pembroke, NC 28372
RE: I Ellis Johnson Multifamily Housing Project

Dear Miranda Horne:

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 indicates that there are records for rare species, important natural communities, natural areas, and/or conservation/managed areas within the proposed project boundary. These results are presented in the attached 'Documented Occurrences' tables and map.

The attached 'Potential Occurrences' table summarizes rare species and natural communities that have been documented within a one-mile radius of the property boundary. The proximity of these records suggests that these natural heritage elements may potentially be present in the project area if suitable habitat exists. Tables of natural areas and conservation/managed areas within a one-mile radius of the project area, if any, are also included in this report.

If a Federally-listed species is documented within the project area or indicated within a one-mile radius of the project area, the NCNHP recommends contacting the US Fish and Wildlife Service (USFWS) for guidance. Contact information for USFWS offices in North Carolina is found here: <https://www.fws.gov/offices/Directory/ListOffices.cfm?statecode=37>.

Please 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 not be redistributed without permission.

Also please note that the NC Natural Heritage Program may follow this letter with additional correspondence if a Dedicated Nature Preserve, Registered Heritage Area, Land and Water Fund easement, or an occurrence of a Federally-listed species is documented near the project area.

If you have questions regarding the information provided in this letter or need additional assistance, please contact the NCNHP at natural.heritage@dncr.nc.gov.

Sincerely,
NC Natural Heritage Program

Natural Heritage Element Occurrences, Natural Areas, and Managed Areas Intersecting the Project Area
I Ellis Johnson Multifamily Housing Project
November 19, 2024
NCNHDE-28400

No Element Occurrences are Documented within the Project Area

There are no documented element occurrences (of medium to very high accuracy) that intersect with the project area. Please note, however, that although the NCNHP database does not show records for rare species within the project area, it does not necessarily mean that they are not present; it may simply mean that the area has not been surveyed. The use of Natural Heritage Program data should not be substituted for actual field surveys if needed, particularly if the project area contains suitable habitat for rare species. If rare species are found, the NCNHP would appreciate receiving this information so that we may update our database.

No Natural Areas are Documented within the Project Area

Managed Areas Documented Within Project Area*

Managed Area Name	Owner	Owner Type
Scotland County Open Space	Scotland County	Local Government

*NOTE: If the proposed project intersects with a conservation/managed area, please contact the landowner directly for additional information. If the project intersects with a Dedicated Nature Preserve (DNP), Registered Natural Heritage Area (RHA), or Federally-listed species, NCNHP staff may provide additional correspondence regarding the project.
Definitions and an explanation of status designations and codes can be found at <https://ncnhde.natureserve.org/help>. Data query generated on November 19, 2024; source: NCNHP, Fall (October) 2024. Please resubmit your information request if more than one year elapses before project initiation as new information is continually added to the NCNHP database.

Natural Heritage Element Occurrences, Natural Areas, and Managed Areas Within a One-mile Radius of the Project Area
 I Ellis Johnson Multifamily Housing Project
 November 19, 2024
 NCNHDE-28400

Element Occurrences Documented Within a One-mile Radius of the Project Area

Taxonomic Group	EO ID	Scientific Name	Common Name	Last Observation Date	Element Occurrence Rank	Accuracy	Federal Status	State Status	Global Rank	State Rank
Dragonfly or Damselfly	33777	Somatochlora georgiana	Coppery Emerald	2004-Pre	H?	5-Very Low	---	Significantly Rare	G3G4	S1?

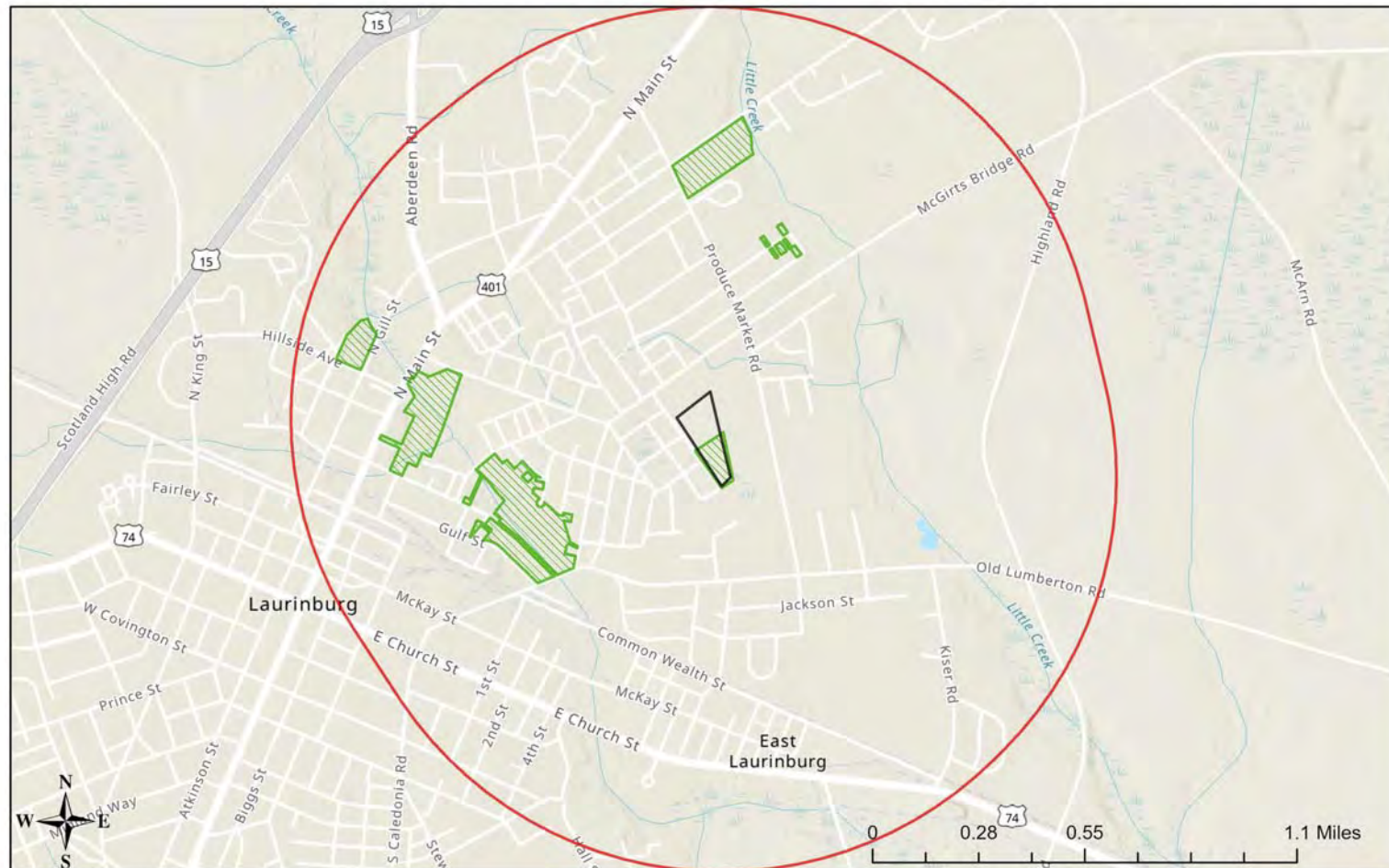
No Natural Areas are Documented Within a One-mile Radius of the Project Area

Managed Areas Documented Within a One-mile Radius of the Project Area




Managed Area Name	Owner	Owner Type
City of Laurinburg - Market Park	City of Laurinburg	Local Government
City of Laurinburg Open Space	City of Laurinburg	Local Government
City of Laurinburg Open Space	City of Laurinburg	Local Government
Scotland County - Jaycee Park	Scotland County	Local Government
Scotland County Open Space	Scotland County	Local Government

Definitions and an explanation of status designations and codes can be found at <https://ncnhde.natureserve.org/help>. Data query generated on November 19, 2024; source: NCNHP, Fall (October) 2024. Please resubmit your information request if more than one year elapses before project initiation as new information is continually added to the NCNHP database.

NCNHDE-28400: I Ellis Johnson Multifamily Housing Project



November 19, 2024

-  Managed Area (MAREA)
-  Buffered Project Boundary
-  Project Boundary

Esri, NASA, NGA, USGS, FEMA
State of North Carolina DOT, Esri, TomTom, Garmin, SafeGraph,
GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US Census Bureau,
USDA, USFWS



Find an address or place...



Legend



Final Polygon Features



Final Linear Features



Proposed Polygon Features



Proposed Linear Features



IE Johnson
Housing - Project
Location





United States Department of the Interior

FISH AND WILDLIFE SERVICE
Raleigh Ecological Services Field Office
3916 Sunset Ridge Rd
Raleigh, NC 27607
Phone: (919) 856-4520 Fax: (919) 856-4556



In Reply Refer To:

12/09/2024 22:27:02 UTC

Project code: 2025-0028248

Project Name: I Ellis Johnson Multi-Family Affordable Housing

Federal Nexus: yes

Federal Action Agency (if applicable): Department of Housing and Urban Development

Subject: Technical assistance for 'I Ellis Johnson Multi-Family Affordable Housing'

Dear Miranda Horne:

This letter records your determination using the Information for Planning and Consultation (IPaC) system provided to the U.S. Fish and Wildlife Service (Service) on December 09, 2024, for 'I Ellis Johnson Multi-Family Affordable Housing' (here forward, Project). This project has been assigned Project Code 2025-0028248 and all future correspondence should clearly reference this number. **Please carefully review this letter. Your Endangered Species Act (Act) requirements are not complete.**

Ensuring Accurate Determinations When Using IPaC

The Service developed the IPaC system and associated species' determination keys in accordance with the Endangered Species Act of 1973 (ESA; 87 Stat. 884, as amended; 16 U.S.C. 1531 et seq.) and based on a standing analysis. All information submitted by the Project proponent into IPaC must accurately represent the full scope and details of the Project. **Failure to accurately represent or implement the Project as detailed in IPaC or the Northern Long-eared Bat and Tricolored Bat Range-wide Determination Key (Dkey), invalidates this letter.**

Determination for the Northern Long-Eared Bat and Tricolored Bat

Based on your IPaC submission and a standing analysis completed by the Service, you determined the proposed Project will have the following effect determinations:

Species	Listing Status	Determination
Tricolored Bat (<i>Perimyotis subflavus</i>)	Proposed	May affect
	Endangered	

Other Species and Critical Habitat that May be Present in the Action Area

The IPaC-assisted determination key for the northern long-eared bat and tricolored bat does not apply to the following ESA-protected species and/or critical habitat that also may occur in your Action area:

- American Alligator *Alligator mississippiensis* Similarity of Appearance (Threatened)
- American Chaffseed *Schwalbea americana* Endangered
- Canby's Dropwort *Oxypolis canbyi* Endangered
- Michaux's Sumac *Rhus michauxii* Endangered
- Monarch Butterfly *Danaus plexippus* Candidate
- Red-cockaded Woodpecker *Dryobates borealis* Threatened
- Rough-leaved Loosestrife *Lysimachia asperulaefolia* Endangered

You may coordinate with our Office to determine whether the Action may cause prohibited take of the species listed above.

Conclusion

Consultation with the Service is not complete. Further consultation or coordination with the Service is necessary for those species or designated critical habitats with a determination of “May Affect.” A “May Affect” determination in this key indicates that the project, as entered, is not consistent with the questions in the key. Not all projects that reach a “May Affect” determination are anticipated to result in adverse impacts to listed species. These projects may result in a “No Effect”, “May Affect, Not Likely to Adversely Affect”, or “May Affect, Likely to Adversely Affect” determination depending on the details of the project. Please contact our Raleigh Ecological Services Field Office to discuss methods to avoid or minimize potential adverse effects to those species or designated critical habitats.

Federal agencies must consult with U.S. Fish and Wildlife Service under section 7(a)(2) of the Endangered Species Act (ESA) when an action *may affect* a listed species. Tricolored bat is proposed for listing as endangered under the ESA, but not yet listed. For actions that may affect a proposed species, agencies cannot consult, but they can *confer* under the authority of section 7(a)(4) of the ESA. Such conferences can follow the procedures for a consultation and be adopted as such if and when the proposed species is listed. Should the tricolored bat be listed, agencies must review projects that are not yet complete, or projects with ongoing effects within the tricolored bat range that previously received a NE or NLAA determination from the key to confirm that the determination is still accurate. Projects that receive a may affect determination for tricolored bat through the key, should contact the appropriate Ecological Services Field Office if they want to conference on this species.

Action Description

You provided to IPaC the following name and description for the subject Action.

1. Name

I Ellis Johnson Multi-Family Affordable Housing

2. Description

The following description was provided for the project 'I Ellis Johnson Multi-Family Affordable Housing':

Southeastern Community Action Partnership (SCAP) has entered into an agreement with the Owner (Scotland County) of the proposed project site to acquire it. The proposed project site is suitable for an affordable housing development that involves the new construction of multiple one-, two-, and three-bedroom units of supportive housing targeting households at or below 80% AMI. This project will be broken up into two (2) separate phases with the following preliminary breakdown: Phase I: 10 units (1- and 2- bedroom units); Phase II: 45 units (2- and 3- bedroom units). Units of Phase I will be targeted at homeless households. The project will be designed to meet NCHFA guidelines and will be energy-efficient and cost-effective.

The approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/@34.78035945,-79.44444180212906,14z>



DETERMINATION KEY RESULT

Based on the answers provided, the proposed Action is consistent with a determination of “may affect” for a least one species covered by this determination key.

QUALIFICATION INTERVIEW

1. Does the proposed project include, or is it reasonably certain to cause, intentional take of listed bats or any other listed species?

Note: Intentional take is defined as take that is the intended result of a project. Intentional take could refer to research, direct species management, surveys, and/or studies that include intentional handling/encountering, harassment, collection, or capturing of any individual of a federally listed threatened, endangered or proposed species?

No

2. Is the action area wholly within Zone 2 of the year-round active area for northern long-eared bat and/or tricolored bat?

Automatically answered

No

3. Does the action area intersect Zone 1 of the year-round active area for northern long-eared bat and/or tricolored bat?

Automatically answered

Yes

4. Your project overlaps with an area where northern long-eared bats or tricolored bats may be present and roosting in trees year-round.

Do you understand that your project may impact bats roosting in trees at any time during the year?

Yes

5. Does any component of the action involve leasing, construction or operation of wind turbines? Answer 'yes' if the activities considered are conducted with the intention of gathering survey information to inform the leasing, construction, or operation of wind turbines.

Note: For federal actions, answer 'yes' if the construction or operation of wind power facilities is either (1) part of the federal action or (2) would not occur but for a federal agency action (federal permit, funding, etc.).

No

6. Is the proposed action authorized, permitted, licensed, funded, or being carried out by a Federal agency in whole or in part?

Yes

7. Is the Federal Highway Administration (FHWA), Federal Railroad Administration (FRA), or Federal Transit Administration (FTA) funding or authorizing the proposed action, in whole or in part?

No

8. Are you an employee of the federal action agency or have you been officially designated in writing by the agency as its designated non-federal representative for the purposes of Endangered Species Act Section 7 informal consultation per 50 CFR § 402.08?

Note: This key may be used for federal actions and for non-federal actions to facilitate section 7 consultation and to help determine whether an incidental take permit may be needed, respectively. This question is for information purposes only.

No

9. Is the lead federal action agency the Environmental Protection Agency (EPA) or Federal Communications Commission (FCC)? Is the Environmental Protection Agency (EPA) or Federal Communications Commission (FCC) funding or authorizing the proposed action, in whole or in part?

No

10. Is the lead federal action agency the Federal Energy Regulatory Commission (FERC)?

No

11. [Semantic] Is the action area located within 0.5 miles of a known bat hibernaculum?

Note: The map queried for this question contains proprietary information and cannot be displayed. If you need additional information, please contact your State wildlife agency.

Automatically answered

No

12. Does the action area contain any winter roosts or caves (or associated sinkholes, fissures, or other karst features), mines, rocky outcroppings, or tunnels that could provide habitat for hibernating bats?

No

13. Will the action cause effects to a bridge?

Note: Covered bridges should be considered as bridges in this question.

No

14. Will the action result in effects to a culvert or tunnel at any time of year?

No

15. Are trees present within 1000 feet of the action area?

Note: If there are trees within the action area that are of a sufficient size to be potential roosts for bats answer "Yes". If unsure, additional information defining suitable summer habitat for the northern long-eared bat and tricolored bat can be found in Appendix A of the USFWS' Range-wide Indiana Bat and Northern long-eared bat Survey Guidelines at: <https://www.fws.gov/media/range-wide-indiana-bat-and-northern-long-eared-bat-survey-guidelines>.

Yes

16. Does the action include the intentional exclusion of bats from a building or structure?

Note: Exclusion is conducted to deny bats' entry or reentry into a building. To be effective and to avoid harming bats, it should be done according to established standards. If your action includes bat exclusion and you are unsure whether northern long-eared bats or tricolored bats are present, answer "Yes." Answer "No" if there are no signs of bat use in the building/structure. If unsure, contact your local Ecological Services Field Office to help assess whether northern long-eared bats or tricolored bats may be present. Contact a Nuisance Wildlife Control Operator (NWCO) for help in how to exclude bats from a structure safely without causing harm to the bats (to find a NWCO certified in bat standards, search the Internet using the search term "National Wildlife Control Operators Association bats"). Also see the White-Nose Syndrome Response Team's guide for bat control in structures.

No

17. Does the action involve removal, modification, or maintenance of a human-made structure (barn, house, or other building) **known or suspected to contain roosting bats**?

No

18. Will the action cause construction of one or more new roads open to the public?

For federal actions, answer 'yes' when the construction or operation of these facilities is either (1) part of the federal action or (2) would not occur but for an action taken by a federal agency (federal permit, funding, etc.).

No

19. Will the action include or cause any construction or other activity that is reasonably certain to increase average daily traffic permanently or temporarily on one or more existing roads?

Note: For federal actions, answer 'yes' when the construction or operation of these facilities is either (1) part of the federal action or (2) would not occur but for an action taken by a federal agency (federal permit, funding, etc.).

Yes

20. Will the increased vehicle traffic occur on any road that lies between any two areas of contiguous forest that are each greater than or equal to 10 acres in extent and are separated by less than 1,000 feet? Bats may cross a road by flying between forest patches that are up to 1,000 feet apart.

Note: "Contiguous forest" of 10 acres or more may include areas where multiple forest patches are separated by less than 1,000 feet of non-forested area if the forested patches, added together, comprise at least 10 acres.

No

21. Will the proposed Action involve the creation of a new water-borne contaminant source (e.g., leachate pond, pits containing chemicals that are not NSF/ANSI 60 compliant)?

Note: For information regarding NSF/ANSI 60 please visit <https://www.nsf.org/knowledge-library/nsf-ansi-standard-60-drinking-water-treatment-chemicals-health-effects>

No

22. Will the proposed action involve the creation of a new point source discharge from a facility other than a water treatment plant or storm water system?

No

23. Will the action include drilling or blasting?

No

24. Will the action involve military training (e.g., smoke operations, obscurant operations, exploding munitions, artillery fire, range use, helicopter or fixed wing aircraft use)?

No

25. Will the proposed action involve the use of herbicides or other pesticides other than herbicides (e.g., fungicides, insecticides, or rodenticides)?

No

26. Will the action include or cause activities that are reasonably certain to cause chronic or intense nighttime noise (above current levels of ambient noise in the area) in suitable summer habitat for the northern long-eared bat or tricolored bat during the active season?

Chronic noise is noise that is continuous or occurs repeatedly again and again for a long time. Sources of chronic or intense noise that could cause adverse effects to bats may include, but are not limited to: road traffic; trains; aircraft; industrial activities; gas compressor stations; loud music; crowds; oil and gas extraction; construction; and mining.

Note: Additional information defining suitable summer habitat for the northern long-eared bat and tricolored bat can be found in Appendix A of the USFWS' Range-wide Indiana Bat and Northern long-eared bat Survey Guidelines at: <https://www.fws.gov/media/range-wide-indiana-bat-and-northern-long-eared-bat-survey-guidelines>.

No

27. Does the action include, or is it reasonably certain to cause, the use of permanent or temporary artificial lighting within 1000 feet of suitable northern long-eared bat or tricolored bat roosting habitat?

Note: Additional information defining suitable summer habitat for the northern long-eared bat and tricolored bat can be found in Appendix A of the USFWS' Range-wide Indiana Bat and Northern long-eared bat Survey Guidelines at: <https://www.fws.gov/media/range-wide-indiana-bat-and-northern-long-eared-bat-survey-guidelines>.

Yes

28. Will the action cause an increase in the extent of suitable forested habitat exposed to artificial lighting?

Yes

29. Will the action use only downward-facing, full cut-off lens lights (with same intensity or less for replacement lighting) when installing new or replacing existing permanent lights?

Or for those transportation agencies using the Backlight, Uplight, Glare (BUG) system developed by the Illuminating Engineering Society, will all three ratings (backlight, uplight, and glare) be as close to zero as is possible, with a priority of "uplight" of 0?

Yes

30. Will the action direct any temporary lighting away from suitable northern long-eared bat or tricolored bat roosting habitat when bats may be present?

Note: Additional information defining suitable summer habitat for the northern long-eared bat and tricolored bat can be found in Appendix A of the USFWS' Range-wide Indiana Bat and Northern long-eared bat Survey Guidelines at: <https://www.fws.gov/media/range-wide-indiana-bat-and-northern-long-eared-bat-survey-guidelines>.

Yes

31. Will the action include tree cutting or other means of knocking down or bringing down trees, tree topping, or tree trimming?

No

32. Will the proposed action result in the use of prescribed fire?

Note: If the prescribed fire action includes other activities than application of fire (e.g., tree cutting, fire line preparation) please consider impacts from those activities within the previous representative questions in the key. This set of questions only considers impacts from flame and smoke.

No

33. Does the action area intersect the tricolored bat species list area?

Automatically answered

Yes

34. [Semantic] Is the action area located within 0.25 miles of a culvert that is known to be occupied by northern long-eared or tricolored bats?

Note: The map queried for this question contains proprietary information and cannot be displayed. If you need additional information, please contact your State wildlife agency.

Automatically answered

No

35. Your project overlaps with an area where tricolored bats may be present and roosting in trees year-round.

Has a presence/probable absence survey for the tricolored bat following the Service's [Range-wide Indiana Bat and Northern Long-Eared Bat Survey Guidelines](#) been conducted within the project area? If unsure, answer "No."

No

36. Your project overlaps with an area where tricolored bats may be present and roosting in trees year-round.

Is suitable tricolored bat habitat present within 1000 feet of project activities? Note: If there are trees within the action area that may provide potential roosts for tricolored bats (e.g., clusters of leaves in live and dead deciduous trees, Spanish moss (*Tillandsia usneoides*), clusters of dead pine needles of large live pines) answer "Yes." Additional information defining suitable summer habitat for the northern long-eared bat and tricolored bat can be found in Appendix A of the USFWS' Range-wide Indiana Bat and Northern long-eared bat Survey Guidelines at: <https://www.fws.gov/media/range-wide-indiana-bat-and-northern-long-eared-bat-survey-guidelines>.

Yes

37. Do you have any documents that you want to include with this submission?

Yes

SUBMITTED DOCUMENTS

- I Ellis Johnson - Critical Habitat Mapper.pdf <https://ipac.ecosphere.fws.gov/project/F6SFXEK6SNHFLBXUYXPJOVQD6Q/projectDocuments/153885360>
- I Ellis Johnson - Aerial Location Map.pdf <https://ipac.ecosphere.fws.gov/project/F6SFXEK6SNHFLBXUYXPJOVQD6Q/projectDocuments/153885394>

PROJECT QUESTIONNAIRE

IPAC USER CONTACT INFORMATION

Agency: Private Entity
Name: Miranda Horne
Address: 114 W 3rd Street
City: Pembroke
State: NC
Zip: 28372
Email: mirandahorne@llandj.com
Phone: 9107749306

LEAD AGENCY CONTACT INFORMATION

Lead Agency: Department of Housing and Urban Development

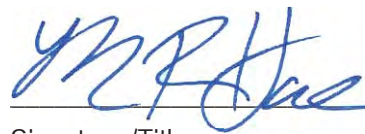
Species Conclusions Table

Project Name: I Ellis Johnson Multi-Family Affordable Housing (Page 1 of 2)

Date: December 9, 2024

Species / Resource Name	Conclusion	ESA Section 7 / Eagle Act Determination	Notes / Documentation
Tricolored Bat/ESA listed species	Potential habitat present. No current survey conducted.	May affect	
Red-cockaded Woodpecker/ESA listed species	No suitable habitat present.	No effect	No pine trees present within action area. Source: fws.gov/species
American Alligator/ESA listed species	No suitable habitat present.	No effect	There are no bodies of water present within the action area. Source: On-site visit.
Monarch Butterfly/ESA listed species	No suitable habitat present	No effect	Action area doesn't contain preferred habitat characteristics Source: fws.gov/species
American Chaffseed/ESA listed species	No suitable habitat present.	No effect	The action area is not a fire-maintained longleaf pine flatwood or a savanna. Source: fws.gov/species
Canby's Dropwort/ESA listed species	No suitable habitat present.	No effect	Action area does not contain wetland habitat needed to sustain. Source: fws.gov/species
Michaux's Sumac/ESA listed species	No suitable habitat present.	No effect	Action area is well-maintained low-cut area, not allowing growth of the species. Source: fws.gov/species
Rough-leaved Loosestrife/ESA listed species	No suitable habitat present.	No effect	Species grows on wet, peaty, poorly drained soil. Action area is neither of these. Source: fws.gov/species
Critical Habitat	No critical habitat present.		

Acknowledgement: I agree that the above information about my proposed project is true. I used all of the provided resources to make an informed decision about impacts in the immediate and surrounding areas.



Project Manager, LL&J

Signature /Title

December 9, 2024

Date

Species Conclusions Table

Project Name: I Ellis Johnson Multi-Family Affordable Housing (Page 2 of 2)

Date: December 9, 2024

Species / Resource Name	Conclusion	ESA Section 7 / Eagle Act Determination	Notes / Documentation
Bald Eagle	Unlikely to disturb nesting bald eagles.	No Eagle Act Permit Required	

Acknowledgement: I agree that the above information about my proposed project is true. I used all of the provided resources to make an informed decision about impacts in the immediate and surrounding areas.



Project Manager, LL&J

Signature /Title

December 9, 2024

Date

ATTACHMENT 9:

Explosive and Flammable Hazards

Signed HUD Thermal and Explosive
Hazards Worksheet, Aerial Map with 1-mile
Buffer, and Fire Marshal/ Inspector
Correspondence on Planned and Existing
ASTs



Thermal and Explosive Hazards

Project Name	Investigator(s)	Site Visit Date
I Ellis Johnson Multi-Family Housing Project	Jonathan E. Locklear, PE & Miranda Horne	May 1, 2024

Part I –Above Ground Storage Tanks – Site Review

Are any above ground storage tanks visible from the site?

☐ Yes ☒ No

If yes, are these tanks 100-gallons or larger?

☐ Yes ☐ No

List visible tanks						
Tank Identifier	Tank Distance (ft)	Tank Size/Contents	Flammable? (Yes or No)	Pressurized? (Yes or No)	ASD ¹ (ft) Thermal Radiation	ASD (ft) Blast Pressure

¹ASD = Acceptable Separation Distance as defined in "Siting of HUD-Assisted Projects Near Hazardous Facilities"

Is the project site within the ASD of any above ground storage tank visible from the site?

☐ Yes ☐ No

If yes, list the proposed mitigation strategies or reject the site?

Mitigation (attach additional documentation)

Part II –Above Ground Storage Tanks – Agency Consultation

Has consultation with the Local Planning, Building, Public Safety or Fire Department indicated the presence of existing or planned thermal/explosive hazards that may affect the site (Attach record of consultation)?

☐ Yes ☒ No

If yes, list the proposed mitigation strategies or reject the site?

Mitigation (attach additional documentation)



Part III – Above Ground Storage Tanks – Record Review

Are above ground storage tanks, which are visible on aerial photographs and USGS topographic maps, located within 1-mile of the site (Attach copies of documents reviewed)?

☐

Yes

☒

No

If yes, are these tanks 100-gallons or larger?

☐

Yes

☐

No

List visible tanks						
Tank Identifier	Tank Distance (ft)	Tank Size/Contents	Flammable? (Yes or No)	Pressurized? (Yes or No)	ASD ¹ (ft) Thermal Radiation	ASD (ft) Blast Pressure

¹ASD = Acceptable Separation Distance as defined in "Siting of HUD-Assisted Projects Near Hazardous Facilities"

Is the project site within the ASD of any above ground storage tank?

☐

Yes

☐

No

If yes are there acceptable barriers (natural or manmade) between the site and the tank?

☐

Yes

☐

No

Identify Acceptable Barriers ²

²Acceptable barriers must meet the conditions of 24 CFR § 51.205

If no, list the proposed mitigation strategies or reject the site?

Mitigation (attach additional documentation)	
Additional Comments or Recommendations	



Lead Investigator's Signature

12/6/2024

Date

IE Johnson Housing - Aerial Map with 1-mi Buffer





[Draft] Re: Environmental Assessment - Fire Protection Certification Request

From mirandahorne@llandj.com
Draft saved Fri 12/6/2024 10:26 AM
To Donald Locklear <dlocklear@laurinburg.org>
Cc Jonathan Locklear <jonathanlocklear@llandj.com>

From: Donald Locklear <dlocklear@laurinburg.org>
Sent: Thursday, December 5, 2024 1:33 PM
To: Miranda Horne <mirandahorne@llandj.com>
Cc: Jonathan Locklear <jonathanlocklear@llandj.com>
Subject: Re: Environmental Assessment - Fire Protection Certification Request

so off of that info there no Tanks or plans for tanks at this time for that area.

Is there anything else I can assist with?

D. Locklear Fire Inspector / Fire Investigator

City of Laurinburg

Fire Department

17501 Aberdeen Rd.

Laurinburg, NC 28352

Phone: (910)291-1766

www.Laurinburg.org

PREVENT-PROTECT-PRESERVE

From: Miranda Horne <mirandahorne@llandj.com>
Sent: Wednesday, December 4, 2024 8:04 AM
To: Donald Locklear <dlocklear@laurinburg.org>
Cc: Jonathan Locklear <jonathanlocklear@llandj.com>
Subject: Re: Environmental Assessment - Fire Protection Certification Request

Be Advised: This email originated from outside of the City of Laurinburg, NC's email system. Maintain caution when opening external links/attachments

Mr. Locklear,

Apologies for the delay in responding. Somehow this was saved in my drafts and never got sent out.

I've copied an excerpt from the assessment for your reference below. Let me know if this provides you with what you need.

3. Within 1 mile of the project site, are there any current *or planned* stationary aboveground storage containers that are covered by 24 CFR 51C? Containers that are NOT covered under the regulation include:

- Containers 100 gallons or less in capacity, containing common liquid industrial fuels OR
- Containers of liquified petroleum gas (LPG) or propane with a water volume capacity of 1,000 gallons or less that meet the requirements of the 2017 version of National Fire Protection Association (NFPA) Code 58.

Thank you,

Miranda Horne

Project Manager

Locklear, Locklear & Jacobs, PLLC

 A round red and white logo Description automatically generated PO Box 3119

114 W. 3rd Street

Pembroke, North Carolina 28372

O: (910) 774- 9306 ext. 6

mirandahorne@llandj.com

www.llandj.com

This message is intended solely for the use of the addressee and may contain information that is PRIVILEGED and CONFIDENTIAL. If you are not the intended recipient, you are hereby notified that any dissemination of this communication is strictly prohibited. If you have received this communication in error, please delete all electronic copies of the message and its attachments, if any, destroy any hard copies you may have created, and notify the sender immediately. Thank you.



Please consider the environment before printing this email.

From: Donald Locklear <dlocklear@laurinburg.org>

Sent: Tuesday, December 3, 2024 2:35 PM

To: Miranda Horne <mirandahorne@llandj.com>

Cc: Jonathan Locklear <jonathanlocklear@llandj.com>

Subject: Re: Environmental Assessment - Fire Protection Certification Request

With the above ground storage tanks are you referring to residential as well? over a certain gallon?

D. Locklear Fire Inspector / Fire Investigator

City of Laurinburg

Fire Department

17501 Aberdeen Rd.

Laurinburg, NC 28352

Phone: (910)291-1766

www.Laurinburg.org

PREVENT-PROTECT-PRESERVE

From: Miranda Horne <mirandahorne@llandj.com>
Sent: Monday, December 2, 2024 4:42 PM
To: Donald Locklear <dlocklear@laurinburg.org>
Cc: Jonathan Locklear <jonathanlocklear@llandj.com>
Subject: Re: Environmental Assessment - Fire Protection Certification Request

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Thanks again for your help!

Miranda Horne
Project Manager

Locklear, Locklear & Jacobs, PLLC

 Description automatically generated PO Box 3119

114 W. 3rd Street

Pembroke, North Carolina 28372

O: (910) 774- 9306 ext. 6

mirandahorne@llandj.com

www.llandj.com

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Please consider the environment before printing this email.

From: Donald Locklear <dlocklear@laurinburg.org>
Sent: Monday, December 2, 2024 4:23 PM
To: Miranda Horne <mirandahorne@llandj.com>
Cc: Jonathan Locklear <jonathanlocklear@llandj.com>
Subject: Re: Environmental Assessment - Fire Protection Certification Request

I will work on this and get it back to you!

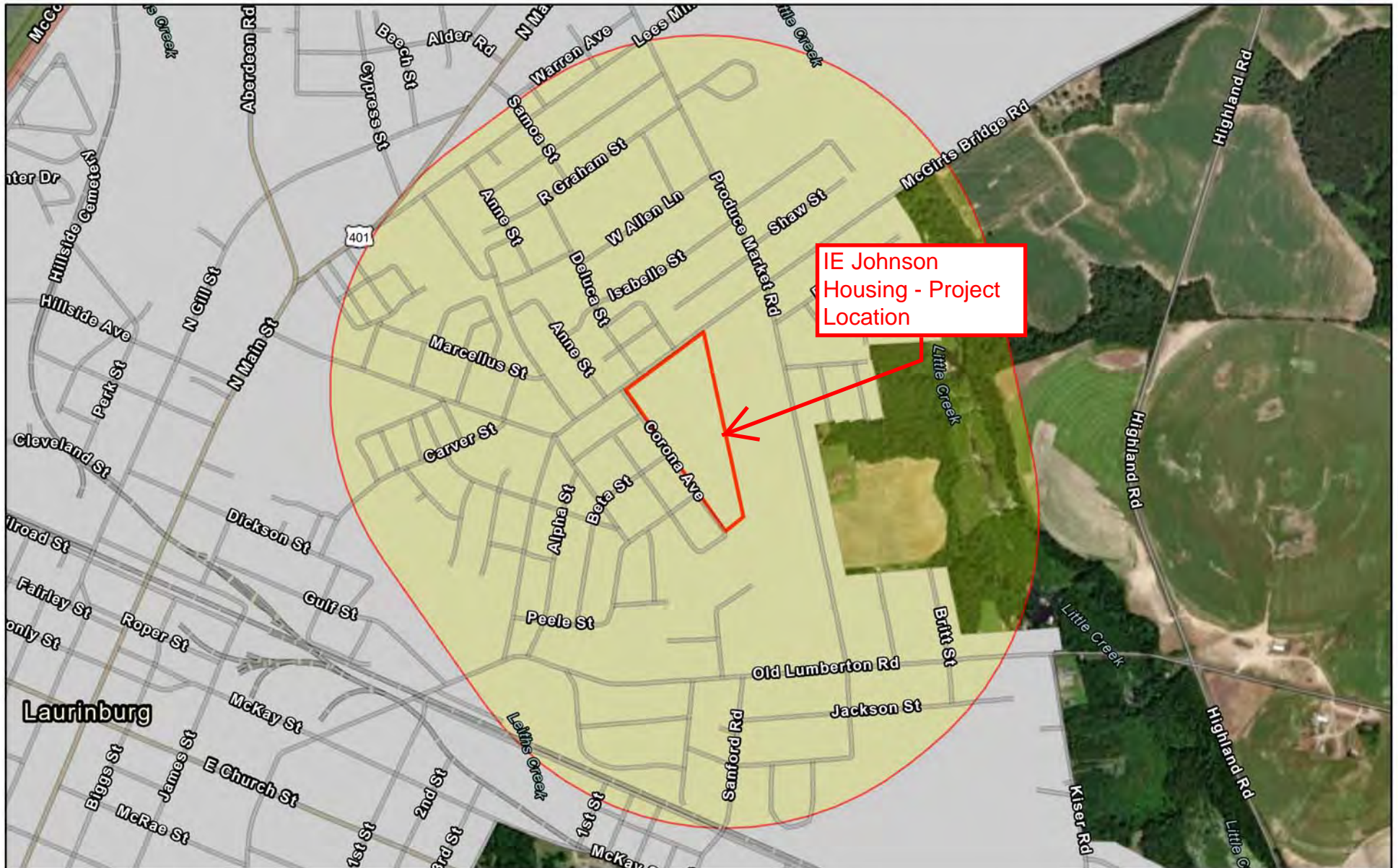
D. Locklear Fire Inspector / Fire Investigator
City of Laurinburg
Fire Department
17501 Aberdeen Rd.
Laurinburg, NC 28352
Phone: (910)291-1766
www.Laurinburg.org
PREVENT-PROTECT-PRESERVE

ATTACHMENT 10:

Farmland Protection


2023 U.S. Census Bureau TIGER/Line
Urbanized Areas Map and USDA
NRCS Web Soil Survey

I Ellis Johnson Housing - Urbanized Areas

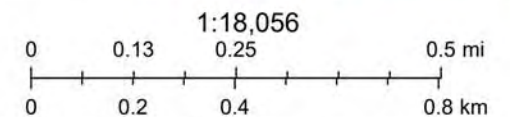


September 21, 2024

 Project Buffer

 Urban Areas

 IE Johnson Affordable Housing



NC CGIA, Maxar, Esri Community Maps Contributors, State of North Carolina
DOT, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA,



United States
Department of
Agriculture

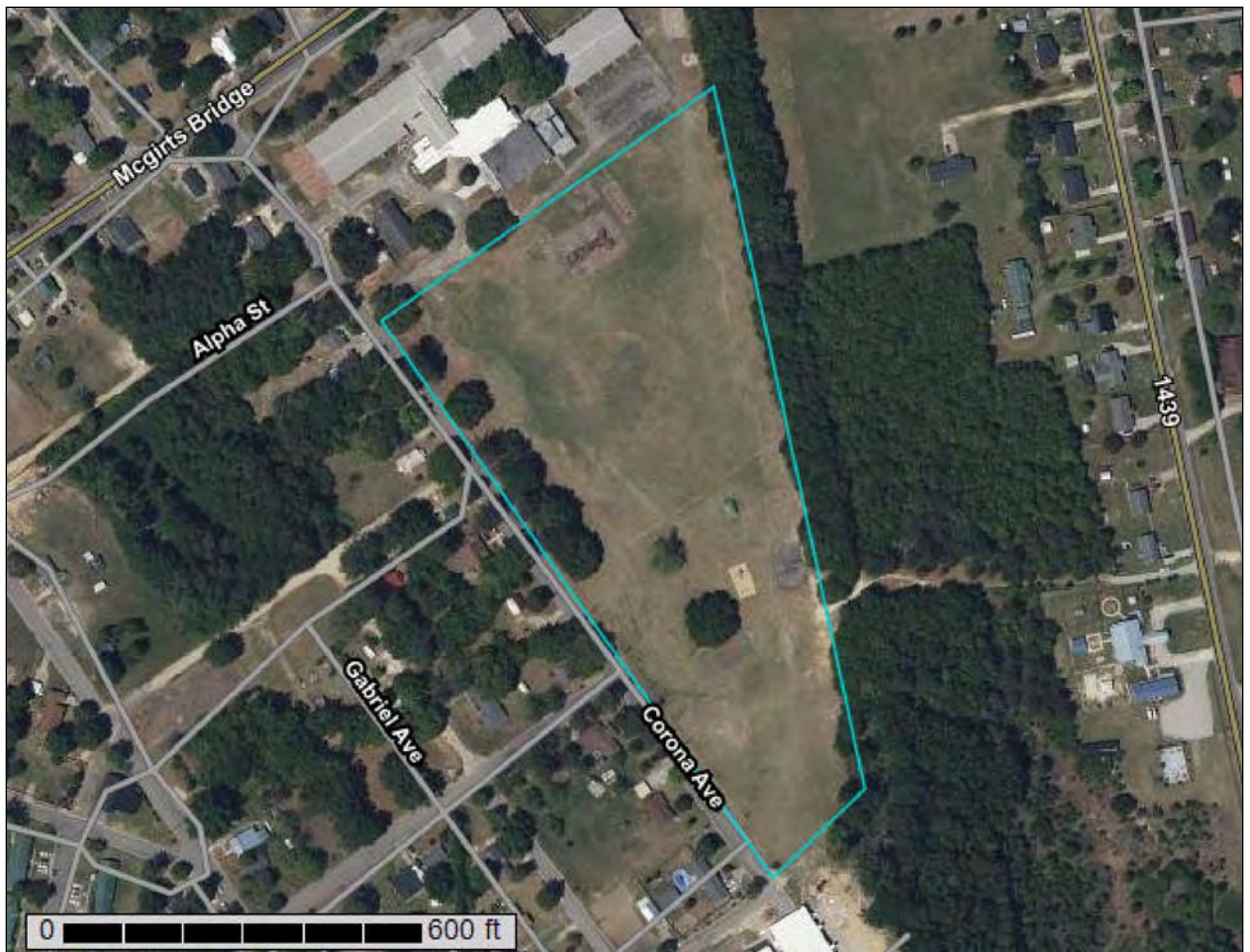
NRCS

Natural
Resources
Conservation
Service

A product of the National
Cooperative Soil Survey,
a joint effort of the United
States Department of
Agriculture and other
Federal agencies, State
agencies including the
Agricultural Experiment
Stations, and local
participants

Custom Soil Resource Report for **Scotland County, North Carolina**

**I Ellis Johnson Multi-Family
Housing**



December 6, 2024

Preface

Soil surveys contain information that affects land use planning in survey areas. They highlight soil limitations that affect various land uses and provide information about the properties of the soils in the survey areas. Soil surveys are designed for many different users, including farmers, ranchers, foresters, agronomists, urban planners, community officials, engineers, developers, builders, and home buyers. Also, conservationists, teachers, students, and specialists in recreation, waste disposal, and pollution control can use the surveys to help them understand, protect, or enhance the environment.

Various land use regulations of Federal, State, and local governments may impose special restrictions on land use or land treatment. Soil surveys identify soil properties that are used in making various land use or land treatment decisions. The information is intended to help the land users identify and reduce the effects of soil limitations on various land uses. The landowner or user is responsible for identifying and complying with existing laws and regulations.

Although soil survey information can be used for general farm, local, and wider area planning, onsite investigation is needed to supplement this information in some cases. Examples include soil quality assessments (<http://www.nrcs.usda.gov/wps/portal/nrcs/main/soils/health/>) and certain conservation and engineering applications. For more detailed information, contact your local USDA Service Center (<https://offices.sc.egov.usda.gov/locator/app?agency=nrcs>) or your NRCS State Soil Scientist (http://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/contactus/?cid=nrcs142p2_053951).

Great differences in soil properties can occur within short distances. Some soils are seasonally wet or subject to flooding. Some are too unstable to be used as a foundation for buildings or roads. Clayey or wet soils are poorly suited to use as septic tank absorption fields. A high water table makes a soil poorly suited to basements or underground installations.

The National Cooperative Soil Survey is a joint effort of the United States Department of Agriculture and other Federal agencies, State agencies including the Agricultural Experiment Stations, and local agencies. The Natural Resources Conservation Service (NRCS) has leadership for the Federal part of the National Cooperative Soil Survey.

Information about soils is updated periodically. Updated information is available through the NRCS Web Soil Survey, the site for official soil survey information.

The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, national origin, age, disability, and where applicable, sex, marital status, familial status, parental status, religion, sexual orientation, genetic information, political beliefs, reprisal, or because all or a part of an individual's income is derived from any public assistance program. (Not all prohibited bases apply to all programs.) Persons with disabilities who require

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How Soil Surveys Are Made

Soil surveys are made to provide information about the soils and miscellaneous areas in a specific area. They include a description of the soils and miscellaneous areas and their location on the landscape and tables that show soil properties and limitations affecting various uses. Soil scientists observed the steepness, length, and shape of the slopes; the general pattern of drainage; the kinds of crops and native plants; and the kinds of bedrock. They observed and described many soil profiles. A soil profile is the sequence of natural layers, or horizons, in a soil. The profile extends from the surface down into the unconsolidated material in which the soil formed or from the surface down to bedrock. The unconsolidated material is devoid of roots and other living organisms and has not been changed by other biological activity.

Currently, soils are mapped according to the boundaries of major land resource areas (MLRAs). MLRAs are geographically associated land resource units that share common characteristics related to physiography, geology, climate, water resources, soils, biological resources, and land uses (USDA, 2006). Soil survey areas typically consist of parts of one or more MLRA.

The soils and miscellaneous areas in a survey area occur in an orderly pattern that is related to the geology, landforms, relief, climate, and natural vegetation of the area. Each kind of soil and miscellaneous area is associated with a particular kind of landform or with a segment of the landform. By observing the soils and miscellaneous areas in the survey area and relating their position to specific segments of the landform, a soil scientist develops a concept, or model, of how they were formed. Thus, during mapping, this model enables the soil scientist to predict with a considerable degree of accuracy the kind of soil or miscellaneous area at a specific location on the landscape.

Commonly, individual soils on the landscape merge into one another as their characteristics gradually change. To construct an accurate soil map, however, soil scientists must determine the boundaries between the soils. They can observe only a limited number of soil profiles. Nevertheless, these observations, supplemented by an understanding of the soil-vegetation-landscape relationship, are sufficient to verify predictions of the kinds of soil in an area and to determine the boundaries.

Soil scientists recorded the characteristics of the soil profiles that they studied. They noted soil color, texture, size and shape of soil aggregates, kind and amount of rock fragments, distribution of plant roots, reaction, and other features that enable them to identify soils. After describing the soils in the survey area and determining their properties, the soil scientists assigned the soils to taxonomic classes (units). Taxonomic classes are concepts. Each taxonomic class has a set of soil characteristics with precisely defined limits. The classes are used as a basis for comparison to classify soils systematically. Soil taxonomy, the system of taxonomic classification used in the United States, is based mainly on the kind and character of soil properties and the arrangement of horizons within the profile. After the soil

scientists classified and named the soils in the survey area, they compared the individual soils with similar soils in the same taxonomic class in other areas so that they could confirm data and assemble additional data based on experience and research.

The objective of soil mapping is not to delineate pure map unit components; the objective is to separate the landscape into landforms or landform segments that have similar use and management requirements. Each map unit is defined by a unique combination of soil components and/or miscellaneous areas in predictable proportions. Some components may be highly contrasting to the other components of the map unit. The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The delineation of such landforms and landform segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, onsite investigation is needed to define and locate the soils and miscellaneous areas.

Soil scientists make many field observations in the process of producing a soil map. The frequency of observation is dependent upon several factors, including scale of mapping, intensity of mapping, design of map units, complexity of the landscape, and experience of the soil scientist. Observations are made to test and refine the soil-landscape model and predictions and to verify the classification of the soils at specific locations. Once the soil-landscape model is refined, a significantly smaller number of measurements of individual soil properties are made and recorded. These measurements may include field measurements, such as those for color, depth to bedrock, and texture, and laboratory measurements, such as those for content of sand, silt, clay, salt, and other components. Properties of each soil typically vary from one point to another across the landscape.

Observations for map unit components are aggregated to develop ranges of characteristics for the components. The aggregated values are presented. Direct measurements do not exist for every property presented for every map unit component. Values for some properties are estimated from combinations of other properties.

While a soil survey is in progress, samples of some of the soils in the area generally are collected for laboratory analyses and for engineering tests. Soil scientists interpret the data from these analyses and tests as well as the field-observed characteristics and the soil properties to determine the expected behavior of the soils under different uses. Interpretations for all of the soils are field tested through observation of the soils in different uses and under different levels of management. Some interpretations are modified to fit local conditions, and some new interpretations are developed to meet local needs. Data are assembled from other sources, such as research information, production records, and field experience of specialists. For example, data on crop yields under defined levels of management are assembled from farm records and from field or plot experiments on the same kinds of soil.

Predictions about soil behavior are based not only on soil properties but also on such variables as climate and biological activity. Soil conditions are predictable over long periods of time, but they are not predictable from year to year. For example, soil scientists can predict with a fairly high degree of accuracy that a given soil will have a high water table within certain depths in most years, but they cannot predict that a high water table will always be at a specific level in the soil on a specific date.

After soil scientists located and identified the significant natural bodies of soil in the survey area, they drew the boundaries of these bodies on aerial photographs and

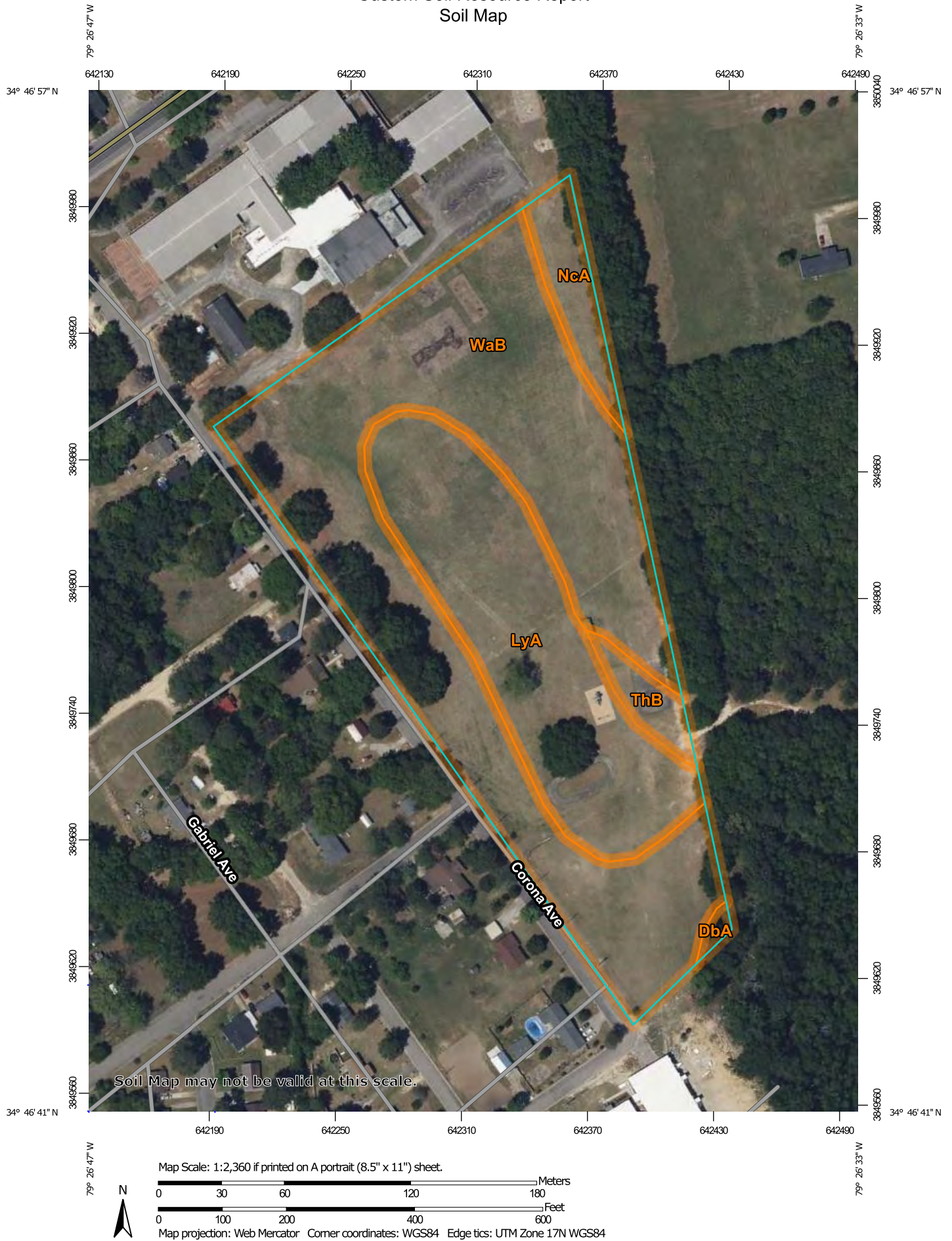
Custom Soil Resource Report

identified each as a specific map unit. Aerial photographs show trees, buildings, fields, roads, and rivers, all of which help in locating boundaries accurately.

Soil Map

The soil map section includes the soil map for the defined area of interest, a list of soil map units on the map and extent of each map unit, and cartographic symbols displayed on the map. Also presented are various metadata about data used to produce the map, and a description of each soil map unit.


Custom Soil Resource Report Soil Map



Custom Soil Resource Report


MAP LEGEND

Area of Interest (AOI)

 Area of Interest (AOI)


Soils


 Soil Map Unit Polygons


 Soil Map Unit Lines


 Soil Map Unit Points

Special Point Features

 Blowout

 Borrow Pit

 Clay Spot

 Closed Depression

 Gravel Pit

 Gravelly Spot


 Landfill

 Lava Flow

 Marsh or swamp


 Mine or Quarry

 Miscellaneous Water


 Perennial Water

 Rock Outcrop

 Saline Spot

 Sandy Spot

 Severely Eroded Spot


 Sinkhole

 Slide or Slip


 Sodic Spot


 Spoil Area

 Stony Spot


 Very Stony Spot

 Wet Spot

 Other

 Special Line Features

Water Features

 Streams and Canals


Transportation

 Rails


 Interstate Highways

 US Routes

 Major Roads

 Local Roads

Background

 Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:12,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Scotland County, North Carolina
Survey Area Data: Version 32, Sep 9, 2024

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Apr 17, 2022—May 20, 2022

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
DbA	Dunbar fine sandy loam, 0 to 2 percent slopes	0.1	0.4%
LyA	Lynchburg sandy loam, 0 to 2 percent slopes	3.3	28.7%
NcA	Noboco loamy sand, 0 to 2 percent slopes	0.5	4.6%
ThB	Thursa loamy sand, 2 to 6 percent slopes	0.3	2.5%
WaB	Wagram loamy sand, 0 to 6 percent slopes	7.3	63.7%
Totals for Area of Interest		11.4	100.0%

Map Unit Descriptions

The map units delineated on the detailed soil maps in a soil survey represent the soils or miscellaneous areas in the survey area. The map unit descriptions, along with the maps, can be used to determine the composition and properties of a unit.

A map unit delineation on a soil map represents an area dominated by one or more major kinds of soil or miscellaneous areas. A map unit is identified and named according to the taxonomic classification of the dominant soils. Within a taxonomic class there are precisely defined limits for the properties of the soils. On the landscape, however, the soils are natural phenomena, and they have the characteristic variability of all natural phenomena. Thus, the range of some observed properties may extend beyond the limits defined for a taxonomic class. Areas of soils of a single taxonomic class rarely, if ever, can be mapped without including areas of other taxonomic classes. Consequently, every map unit is made up of the soils or miscellaneous areas for which it is named and some minor components that belong to taxonomic classes other than those of the major soils.

Most minor soils have properties similar to those of the dominant soil or soils in the map unit, and thus they do not affect use and management. These are called noncontrasting, or similar, components. They may or may not be mentioned in a particular map unit description. Other minor components, however, have properties and behavioral characteristics divergent enough to affect use or to require different management. These are called contrasting, or dissimilar, components. They generally are in small areas and could not be mapped separately because of the scale used. Some small areas of strongly contrasting soils or miscellaneous areas are identified by a special symbol on the maps. If included in the database for a given area, the contrasting minor components are identified in the map unit descriptions along with some characteristics of each. A few areas of minor components may not have been observed, and consequently they are not mentioned in the descriptions, especially where the pattern was so complex that it was impractical to make enough observations to identify all the soils and miscellaneous areas on the landscape.

Custom Soil Resource Report

The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The objective of mapping is not to delineate pure taxonomic classes but rather to separate the landscape into landforms or landform segments that have similar use and management requirements. The delineation of such segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, however, onsite investigation is needed to define and locate the soils and miscellaneous areas.

An identifying symbol precedes the map unit name in the map unit descriptions. Each description includes general facts about the unit and gives important soil properties and qualities.

Soils that have profiles that are almost alike make up a *soil series*. Except for differences in texture of the surface layer, all the soils of a series have major horizons that are similar in composition, thickness, and arrangement.

Soils of one series can differ in texture of the surface layer, slope, stoniness, salinity, degree of erosion, and other characteristics that affect their use. On the basis of such differences, a soil series is divided into *soil phases*. Most of the areas shown on the detailed soil maps are phases of soil series. The name of a soil phase commonly indicates a feature that affects use or management. For example, Alpha silt loam, 0 to 2 percent slopes, is a phase of the Alpha series.

Some map units are made up of two or more major soils or miscellaneous areas. These map units are complexes, associations, or undifferentiated groups.

A *complex* consists of two or more soils or miscellaneous areas in such an intricate pattern or in such small areas that they cannot be shown separately on the maps. The pattern and proportion of the soils or miscellaneous areas are somewhat similar in all areas. Alpha-Beta complex, 0 to 6 percent slopes, is an example.

An *association* is made up of two or more geographically associated soils or miscellaneous areas that are shown as one unit on the maps. Because of present or anticipated uses of the map units in the survey area, it was not considered practical or necessary to map the soils or miscellaneous areas separately. The pattern and relative proportion of the soils or miscellaneous areas are somewhat similar. Alpha-Beta association, 0 to 2 percent slopes, is an example.

An *undifferentiated group* is made up of two or more soils or miscellaneous areas that could be mapped individually but are mapped as one unit because similar interpretations can be made for use and management. The pattern and proportion of the soils or miscellaneous areas in a mapped area are not uniform. An area can be made up of only one of the major soils or miscellaneous areas, or it can be made up of all of them. Alpha and Beta soils, 0 to 2 percent slopes, is an example.

Some surveys include *miscellaneous areas*. Such areas have little or no soil material and support little or no vegetation. Rock outcrop is an example.

Scotland County, North Carolina

DbA—Dunbar fine sandy loam, 0 to 2 percent slopes

Map Unit Setting

National map unit symbol: 1jhl8

Elevation: 80 to 330 feet

Mean annual precipitation: 38 to 55 inches

Mean annual air temperature: 59 to 70 degrees F

Frost-free period: 210 to 265 days

Farmland classification: Farmland of statewide importance

Map Unit Composition

Dunbar, drained, and similar soils: 80 percent

Dunbar, undrained, and similar soils: 10 percent

Minor components: 4 percent

Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Dunbar, Drained

Setting

Landform: Flats on broad interstream divides

Landform position (two-dimensional): Summit

Down-slope shape: Linear

Across-slope shape: Linear

Parent material: Clayey marine deposits

Typical profile

Ap - 0 to 8 inches: fine sandy loam

Bt - 8 to 14 inches: clay loam

Btg - 14 to 62 inches: sandy clay

Cg - 62 to 92 inches: sandy clay

Properties and qualities

Slope: 0 to 2 percent

Depth to restrictive feature: More than 80 inches

Drainage class: Somewhat poorly drained

Runoff class: Very high

Capacity of the most limiting layer to transmit water (Ksat): Moderately high (0.20 to 0.57 in/hr)

Depth to water table: About 12 to 24 inches

Frequency of flooding: None

Frequency of ponding: None

Available water supply, 0 to 60 inches: High (about 9.4 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 2w

Hydrologic Soil Group: C/D

Ecological site: F153AY045NC - Moist Clay Rises and Flats

Hydric soil rating: No

Description of Dunbar, Undrained

Setting

Landform: Flats on broad interstream divides

Custom Soil Resource Report

Landform position (two-dimensional): Summit
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Clayey marine deposits

Typical profile

A - 0 to 8 inches: fine sandy loam
Bt - 8 to 14 inches: clay loam
Btg - 14 to 62 inches: sandy clay
Cg - 62 to 92 inches: sandy clay

Properties and qualities

Slope: 0 to 2 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Somewhat poorly drained
Runoff class: Very high
Capacity of the most limiting layer to transmit water (Ksat): Moderately high (0.20 to 0.57 in/hr)
Depth to water table: About 12 to 24 inches
Frequency of flooding: None
Frequency of ponding: None
Available water supply, 0 to 60 inches: High (about 9.4 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 3w
Hydrologic Soil Group: C/D
Ecological site: F153AY045NC - Moist Clay Rises and Flats
Hydric soil rating: No

Minor Components

Coxville, undrained

Percent of map unit: 2 percent
Landform: Depressions, carolina bays
Landform position (two-dimensional): Summit
Down-slope shape: Concave
Across-slope shape: Concave
Ecological site: F153AY065NC - Wet Clay Flats and Depressions
Hydric soil rating: Yes

Rains, undrained

Percent of map unit: 2 percent
Landform: Flats on marine terraces, carolina bays on marine terraces, broad interstream divides on marine terraces
Landform position (two-dimensional): Summit
Down-slope shape: Linear
Across-slope shape: Linear
Ecological site: F153AY060NC - Wet Loamy Flats and Depressions
Hydric soil rating: Yes

LyA—Lynchburg sandy loam, 0 to 2 percent slopes

Map Unit Setting

National map unit symbol: 2vx8p
Elevation: 10 to 330 feet
Mean annual precipitation: 40 to 55 inches
Mean annual air temperature: 59 to 70 degrees F
Frost-free period: 200 to 280 days
Farmland classification: Prime farmland if drained

Map Unit Composition

Lynchburg and similar soils: 84 percent
Minor components: 8 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Lynchburg

Setting

Landform: Flats on marine terraces, broad interstream divides on marine terraces
Landform position (three-dimensional): Talf
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Loamy marine deposits

Typical profile

Ap - 0 to 8 inches: sandy loam
E - 8 to 11 inches: sandy loam
Bt - 11 to 21 inches: sandy clay loam
Btg - 21 to 65 inches: sandy clay loam
BCg - 65 to 85 inches: sandy clay loam

Properties and qualities

Slope: 0 to 2 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Somewhat poorly drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high
(0.57 to 1.98 in/hr)
Depth to water table: About 6 to 18 inches
Frequency of flooding: None
Frequency of ponding: None
Available water supply, 0 to 60 inches: Moderate (about 6.6 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 2w
Hydrologic Soil Group: B/D
Ecological site: F153AY040NC - Moist Loamy Rises and Flats
Hydric soil rating: No

Minor Components

Rains

Percent of map unit: 8 percent
Landform: Flats on marine terraces, broad interstream divides on marine terraces
Landform position (three-dimensional): Dip, tal
Down-slope shape: Linear
Across-slope shape: Linear
Ecological site: F153AY060NC - Wet Loamy Flats and Depressions
Hydric soil rating: Yes

NcA—Noboco loamy sand, 0 to 2 percent slopes

Map Unit Setting

National map unit symbol: 1jgmc
Elevation: 80 to 330 feet
Mean annual precipitation: 38 to 55 inches
Mean annual air temperature: 59 to 70 degrees F
Frost-free period: 210 to 265 days
Farmland classification: All areas are prime farmland

Map Unit Composition

Noboco and similar soils: 90 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Noboco

Setting

Landform: Broad interstream divides on marine terraces, flats on marine terraces
Landform position (two-dimensional): Summit, shoulder
Landform position (three-dimensional): Crest
Down-slope shape: Convex
Across-slope shape: Convex
Parent material: Loamy marine deposits

Typical profile

Ap - 0 to 10 inches: loamy sand
E - 10 to 13 inches: loamy sand
Bt - 13 to 80 inches: sandy clay loam

Properties and qualities

Slope: 0 to 2 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: Low
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high
(0.57 to 1.98 in/hr)
Depth to water table: About 30 to 40 inches
Frequency of flooding: None
Frequency of ponding: None

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Available water supply, 0 to 60 inches: Moderate (about 7.1 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 1

Hydrologic Soil Group: C

Ecological site: F153AY040NC - Moist Loamy Rises and Flats

Hydric soil rating: No

ThB—Thursa loamy sand, 2 to 6 percent slopes

Map Unit Setting

National map unit symbol: 1jrwk

Elevation: 80 to 330 feet

Mean annual precipitation: 38 to 55 inches

Mean annual air temperature: 59 to 70 degrees F

Frost-free period: 210 to 265 days

Farmland classification: All areas are prime farmland

Map Unit Composition

Thursa and similar soils: 75 percent

Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Thursa

Setting

Landform: Broad interstream divides on marine terraces, ridges on marine terraces

Landform position (two-dimensional): Summit, shoulder

Landform position (three-dimensional): Crest

Down-slope shape: Convex

Across-slope shape: Convex

Parent material: Loamy marine deposits

Typical profile

Ap - 0 to 10 inches: loamy sand

Bt1 - 10 to 35 inches: sandy clay loam

Bt2 - 35 to 50 inches: sandy clay

Bt3 - 50 to 80 inches: clay

Properties and qualities

Slope: 2 to 6 percent

Depth to restrictive feature: More than 80 inches

Drainage class: Well drained

Runoff class: Low

Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.57 to 1.98 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Available water supply, 0 to 60 inches: Moderate (about 6.8 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 2e
Hydrologic Soil Group: B
Hydric soil rating: No

WaB—Wagram loamy sand, 0 to 6 percent slopes

Map Unit Setting

National map unit symbol: 1jgmp
Elevation: 80 to 330 feet
Mean annual precipitation: 38 to 55 inches
Mean annual air temperature: 59 to 70 degrees F
Frost-free period: 210 to 265 days
Farmland classification: Farmland of statewide importance

Map Unit Composition

Wagram and similar soils: 90 percent
Minor components: 5 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Wagram

Setting

Landform: Broad interstream divides on marine terraces, ridges on marine terraces
Landform position (two-dimensional): Summit, shoulder
Landform position (three-dimensional): Crest
Down-slope shape: Convex
Across-slope shape: Convex
Parent material: Loamy marine deposits

Typical profile

Ap - 0 to 8 inches: loamy sand
E - 8 to 24 inches: loamy sand
Bt - 24 to 75 inches: sandy clay loam
BC - 75 to 83 inches: sandy loam

Properties and qualities

Slope: 0 to 6 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: Low
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.57 to 1.98 in/hr)
Depth to water table: About 60 to 80 inches
Frequency of flooding: None
Frequency of ponding: None
Available water supply, 0 to 60 inches: Moderate (about 6.7 inches)

Interpretive groups

Land capability classification (irrigated): None specified

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Land capability classification (nonirrigated): 2s

Hydrologic Soil Group: A

Ecological site: F153AY030NC - Dry Loamy Rises and Flats

Hydric soil rating: No

Minor Components

Bibb, undrained

Percent of map unit: 3 percent

Landform: Flood plains

Landform position (two-dimensional): Toeslope

Down-slope shape: Concave

Across-slope shape: Linear

Ecological site: F153AY090NC - Flooded Mineral Soil Flood Plains and Terraces

Hydric soil rating: Yes

Johnston, undrained

Percent of map unit: 2 percent

Landform: Flood plains

Down-slope shape: Concave

Across-slope shape: Linear

Ecological site: F153AY090NC - Flooded Mineral Soil Flood Plains and Terraces

Hydric soil rating: Yes

References

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ATTACHMENT 11:

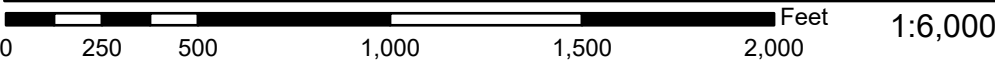
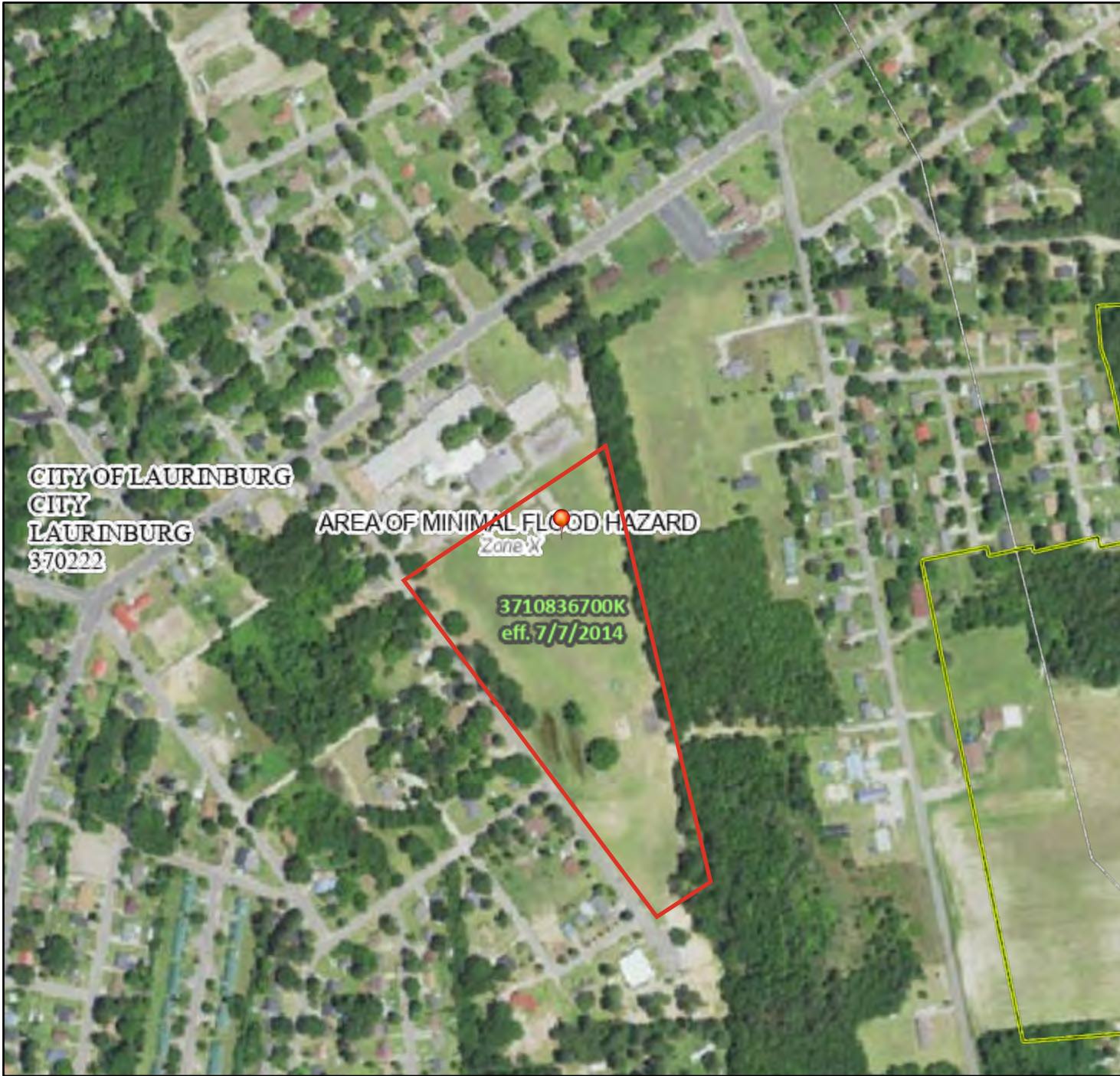
Floodplain Management

FEMA FIRMs with Parcel Boundary, FFRMS
Floodplain Determination Worksheet, and
FFSST FVA Report

National Flood Hazard Layer FIRMMette



79°26'59"W 34°47'8"N



Basemap Imagery Source: USGS National Map 2023

Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) Zone A, V, A99
		With BFE or Depth Zone AE, AO, AH, VE, AR
		Regulatory Floodway
OTHER AREAS OF FLOOD HAZARD		0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
		Future Conditions 1% Annual Chance Flood Hazard Zone X
		Area with Reduced Flood Risk due to Levee. See Notes. Zone X
		Area with Flood Risk due to Levee Zone D
OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard Zone X
		Effective LOMRs
		Area of Undetermined Flood Hazard Zone D
GENERAL STRUCTURES		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall
OTHER FEATURES		20.2 Cross Sections with 1% Annual Chance Water Surface Elevation
		17.5 Cross Sections with 1% Annual Chance Water Surface Elevation
		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
		Coastal Transect Baseline
MAP PANELS		Digital Data Available
		No Digital Data Available
		Unmapped



The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on **5/23/2025 at 4:15 PM** and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

I. Ellis Johnson - FEMA FIRM



May 23, 2025

Flood Hazard Zones

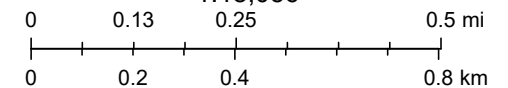
1% Annual Chance Flood Hazard

Regulatory Floodway

0.2% Annual Chance Flood Hazard

I. Ellis Johnson

1:18,056



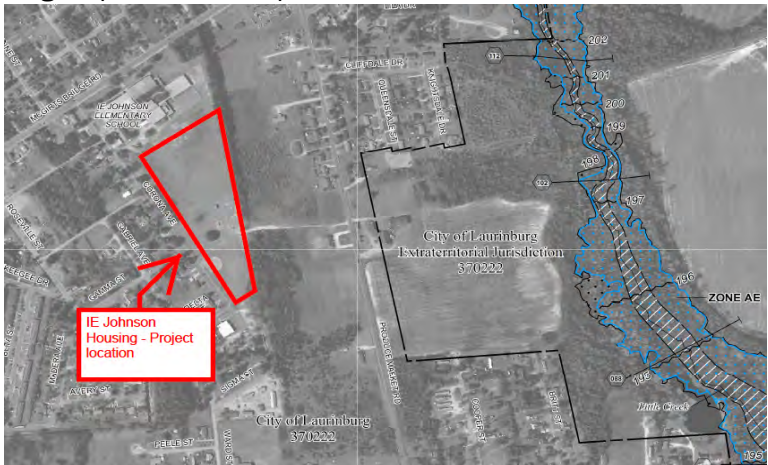
Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, (c) OpenStreetMap contributors, and the GIS User Community, Maxar

Appendix B: FFRMS Floodplain Determination: Worksheet

This is a worksheet to assist in the FFRMS floodplain determination process. The spaces below follow the steps identified in this job aid. The case studies provide examples of how to use the table.

Basic Project Information	
Name and Organization of Person Completing the Form:	Miranda Horne, Project Manager; LL&J, PLLC
Federal Agency (if different from above):	NCORR for HUD funding
Project Name:	I Ellis Johnson Multi-Family Affordable Housing
Project Type:	Residential Housing
Critical or Non-Critical Action:	Non-Critical Action
Coastal or Riverine:	Riverine
Select FFRMS Flood Determination Approach (CISA, FVA, 0.2PFA):	FVA

Steps with Images	Recorded Answers
<p>1. Identify and record the site latitude/longitude.</p> <p>Proposed Action Details</p> <p>Location centroid (Latitude, Longitude): Y: 34.780577 X: -79.444440</p> <p>Service Criticality: Non-critical</p> <p>Service Life: Through 2100</p>	<p>Lat: 34.780577</p> <p>Long: -79.444440</p>

Steps with Images	Recorded Answers
<p><i>Skip to step 7 if using 0.2PFA</i></p> <p>2. Round the elevation(s) down for the most conservative estimate (for FVA or CISA)</p> <pre> ▼<result> ▼<location> <x>-79.44444</x> <y>34.780577</y> ▼<spatialReference> <wkid>4326</wkid> <latestWkid>4326</latestWkid> </spatialReference> </location> <locationId>0</locationId> <value>220.27046427962577</value> <rasterId>14887</rasterId> <resolution>0.00003086419871794868</resolution> </result> </pre>	<p>The National Map (EPQS) indicates 220.27 feet. Rounding down yields 220 feet.</p>
<p>3. Locate the floodplain zone and BFE if within the Special Flood Hazard Area, or nearest floodplain zone and BFE if action is outside, and round to the value that results in the largest potential floodplain.</p> 	<p>Zone: Zone AE</p> <p>BFE: elevation 197 feet (nearest adjacent BFE)</p> <p>Not in the 1-percent-annual-chance floodplain</p>

Steps with Images	Recorded Answers
4. Note action characteristics such as service life, criticality, risk tolerance (low, medium, high), and any other hazards of concern (flash floods, erosion).	<p>Anticipated Service Life = 75 to 100 years.</p> <p>Non-Critical Action</p> <p>No additional hazards of concern.</p>
5.	Non-Critical:
a. Determine the FFRMS flood elevation based on FVA (if applicable).	$BFE + 2 = 197 + 2 = 199$ feet
b. Determine the FFRMS flood elevation based on simplified CISA (if applicable).	
6. Compare the answer in step 2 to step 5 and determine if the site is in the FFRMS floodplain.	<p>220 feet > 199 feet</p> <p>Not in the FFRMS FVA Floodplain</p>
7. For 0.2PFA only , locate the site in the flood map and determine if it is in 0.2 percent-annual-chance hazard area (if applicable).	



FFRMS Freeboard Value Approach Report

Report generated by the Federal Flood Standard Support Tool on Thu Dec 12 2024. For more information on FFRMS and the data, visit <https://floodstandard.climate.gov>.

Summary

Based on the user-defined location and **non-critical** designation, the proposed action **is not** in the **coastal or riverine** FFRMS floodplain. However, there are additional resilience measures you might consider. Check on the resources below to learn more.

Projects located in the FFRMS floodplain should be designed consistent with the applicable policies and directives of the agency taking or approving the action.

Proposed Action Details

Location centroid (Latitude, Longitude): **Y: 34.780577 X: -79.444440**

Service criticality: **Non-critical** Service Life: **Through 2100**

Consult with the applicable agency to identify any agency-specific policies, guidance, protocols, or direction on the critical action determination. The services of a professional engineer, architect, or other licensed design professional are recommended for designing critical actions or assets with long intended service life, and for other situations where risk tolerance is low because of unique characteristics of the action.

Considerations of Freeboard approach at this location

No additional considerations at this location.

Next Steps

This is the Step 1 of the 8-step decision-making process required in section 2(a) of Executive Order 11988, Floodplain Management (Determine if the proposed action within the FFRMS floodplain). Follow the remainder of the 8-step process outlined in the [Implementation Guidelines \(2015\)](#), page 4, including Step 5 which include minimizing harm and restoring and preserving natural and beneficial values. (Please refer to the Nature Based Solutions section). A licensed design professional should be contacted for the design or engineering of the action. If an action is in the FFRMS floodplain and its location is the only practicable alternative, then you may need the services of a professional engineer, architect, or other licensed design professional to determine how to minimize the impacts of flood and make the action resilient (e.g., elevation, flood-proofing and/or nature-based solutions), especially when dealing with critical actions.

Assistance

To contact the FEMA Regional Floodplain Management & Insurance FFRMS Point of Contact for assistance, e-mail FEMA at FEMA-FFRMS-SUPPORT-REQUEST@fema.dhs.gov.



Project Location



1:18,056

FFRMS Floodplain



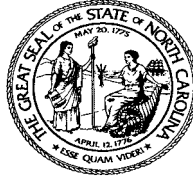
Project Location



ATTACHMENT 12:

Historic Preservation

SHPO Response, NCORR SHPO Submission
Package, HUD TDAT Results, Catawba Indian Nation
Response, NCORR Catawba Indian Nation
Submission Package, and Lumbee Tribe Project
Notification Letter



**North Carolina Department of Natural and Cultural Resources
State Historic Preservation Office**

Ramona M. Bartos, Administrator

Governor Josh Stein
Secretary Pamela B. Cashwell

Office of Archives and History
Deputy Secretary Darin J. Waters, Ph.D.

June 19, 2025

MEMORANDUM

TO: Bridgette.Morris-McLawhorn state.clearinghouse@doa.nc.gov
North Carolina State Clearinghouse
Department of Administration

FROM: Ramona M. Bartos, Deputy
State Historic Preservation Officer *RMB for Ramona M. Bartos*

SUBJECT: Construct I. Ellis Johnson multi-family housing, Corona Avenue, Laurinburg,
Scotland County, 25-E-0000-0243, ER 24-2897

Thank you for your email of June 4, 2025 concerning the above project.

We have conducted a review of the project and are aware of no historic resources which would be affected by the project. Therefore, we have no comment on the project as proposed.

The above comments are made pursuant to Section 106 of the National Historic Preservation Act and the Advisory Council on Historic Preservation's Regulations for Compliance with Section 106 codified at 36 CFR Part 800.

Thank you for your cooperation and consideration. If you have questions concerning the above comment, contact Renee Gledhill-Earley, environmental review coordinator, at 919-814-6579 or environmental.review@dnCR.nc.gov. In all future communication concerning this project, please cite the above referenced tracking number.

cc: Andrea Gievers, NC Department of Public Safety andrea.l.gievers@rebuild.nc.gov
Claudia Young, NC Housing Finance Agency csyoung@nchfa.com



North Carolina Department of Public Safety

Office of Recovery and Resiliency

Josh Stein, Governor
Eddie M. Buffalo, Jr., Secretary

Pryor Gibson, Interim Director

June 4, 2025

Ms. Renee Gledhill-Earley
Environmental Review Coordinator
NC State Historic Preservation Office
4617 Mail Service Center
Raleigh, NC 27699-4617

Sent via email to the State Environmental Clearinghouse:

State.Clearinghouse@doa.nc.gov
kadisha.molyneaux@doa.nc.gov

RE: State Historic Preservation Office Request for Concurrence
Section 106 Review - HUD CDBG-MIT Program
Proposed I. Ellis Johnson Multi-Family Housing
Corona Avenue, Laurinburg, NC 28352

Dear Ms. Gledhill-Earley:

In accordance with Section 106 of the National Historic Preservation Act (NHPA) and its implementing regulations, 36 CFR Part 800, we are providing information for your review and concurrence regarding the above-referenced project. The North Carolina Office of Recovery and Resiliency (NCORR), as a recipient of Community Development Block Grant – Mitigation (CDBG-MIT) funds from the United States Department of Housing and Urban Development (HUD), is serving as the responsible entity for compliance with the HUD environmental review procedures set forth in 24 CFR Part 58. NCORR is acting on behalf of HUD in providing the enclosed project information and request for consultation.

The State of North Carolina was adversely impacted by the landfall of Hurricanes Matthew (October 8, 2016) and Florence (September 14, 2018). These hurricanes damaged or destroyed hundreds of homes worsening the affordable housing shortage. The proposed development will provide affordable housing for low- and middle-income families in the local community.

Mailing Address:
Post Office Box 110465
Durham, NC 27709



An Equal Opportunity Employer

Phone: (984) 833-5350
www.ncdps.gov
www.rebuild.nc.gov

Proposed Project Location: The I. Ellis Johnson Multi-Family Housing project will be situated on approximately 11.49 acres on Corona Avenue in Laurinburg, Scotland County, NC 28352 (Subject Property). The Subject Property will consist of 6.8 acres subdivided from the original 15.05-acre parent parcel identified as City of Laurinburg Parcel PIN 01008001002 combined with the adjoining 4.69-acre, Parcel PIN 0100800100201 (**Attachment 1**).

Currently, Scotland County owns the two parcels totaling 19.74 acres in Laurinburg, NC. Scotland County will donate the 11.49 acres to Southeastern Community Action Partnership (SCAP) for the proposed project. The northern parcel is located at 825 McGirts Bridge Road and contains the former I. Ellis Johnson Elementary School buildings on approximately 15.05 acres (Parcel PIN 01008001002). The southern parcel is identified as Lincoln Park on McGirts Bridge Road and contains an open gazebo, playground, track, and sports court on approximately 4.69 acres (Parcel PIN 0100800100201). Scotland County will maintain ownership of the former school facility on five acres and likely dispose of the approximately 3.25 acres with a standalone modular building for office / administrative use.

Area of Potential Effects (APE) under §800.16(d): Based on the proposed project plans and development of the adjacent properties, we have defined the Area of Potential Effect (APE) as the Subject Property. The APE for archeological sites is also limited to the boundaries of the Subject Property.

Proposed Project Description: I. Ellis Johnson Multi-Family Housing (proposed project) involves new construction of a 55-unit multifamily, affordable housing apartment complex with a gazebo, playground, open green space, paved parking areas, retention pond, landscaping, and associated infrastructure. There are two phases of the proposed project identified and reviewed for NCORR's HUD CDBG-MIT funding under Project Aggregation (24 CFR 58.32). A Phase Three has not been fully vetted for planning and funding purposes and, thus, is not included in this 24 CFR 58 review. Phase One consists of a 10-unit one-story apartment building with a mix of six (6) one-bedroom units and four (4) two-bedroom units targeting homeless populations. Phase Two consists of 45 units in two (2) two-story apartment buildings with a mix of twenty-three (23) two-bedroom units, and twenty-two (22) three-bedroom units likely targeting households at or below 50% or 80% AMI. The proposed project site plans are included in **Attachment 1**.

We have made a Finding of "*No Historic Properties Affected*" pursuant to 36 CFR 800.4(d)(1) based on the following:

A review of the Subject Property in the National Register of Historic Places and North Carolina State Historic Preservation Office's HPOWEB and site visit identified no publicly recorded historic properties, locally designated or listed in or eligible for inclusion in the State or National Register of Historic Places, located *on or adjacent* to the Subject Property. The results are included in **Attachment 2**.

The Subject Property is located behind the I. Ellis Johnson Community Center (former school) which offers senior programs, activities, open gym, etc. according to the County Manager. The Subject Property was used as an agricultural field between 1938 to 1957. Since that time, the Subject Property has been a mostly cleared, regularly mowed lawn and recreational area. There are three paved access drives along Corona Avenue and one paved access drive along McGirts Bridge Road that serve the former school as well as the playground/recreational area on the Subject Property. Utilities are available near the site. Development of the surrounding area has increased over time with residential, commercial, and municipal uses. The proposed development will be a multifamily apartment complex and, therefore, typical clearing and grading will take place on the Subject Property during construction. The Subject Property photographs are included in **Attachment 3**.

Attached for your review are copies of relevant documents supporting our finding, along with photographs and a map showing the location of the Subject Property. This documentation satisfies requirements set forth at §800.11(d).

NCORR processes environmental reviews for proposed projects funded with HUD CDBG-MIT on a case-by-case basis. A consultation request for the proposed project described herein will be sent to the Catawba Indian Nation. A notification of the proposed project is being sent to the Lumbee Tribe. In accordance with Section 101(d)(6)(B) of the NHPA of 1966, as amended (16 U.S.C. 470f), and its implementing regulations, 36 CFR Part 800, this letter serves as notification of the proposed action.

NCORR respectfully requests your review of the proposed project described herein. In accordance with §800.4(d)(1)(i), your office has *thirty days* to object to this finding. Please respond within this timeframe, otherwise we will assume that you concur with our finding. If you concur, please feel free to respond via the State Environmental Clearinghouse to Andrea Gievers, NCORR Environmental Subject Matter Expert, at Andrea.L.Gievers@Rebuild.NC.gov.

If you have any questions or require additional information regarding this request, please feel free to contact Andrea Gievers at (845) 682-1700 or via email at Andrea.L.Gievers@Rebuild.NC.gov. Thank you for your time and assistance.

Sincerely,



Andrea Gievers, JD, MSEL, ERM
NCORR Environmental Subject Matter Expert

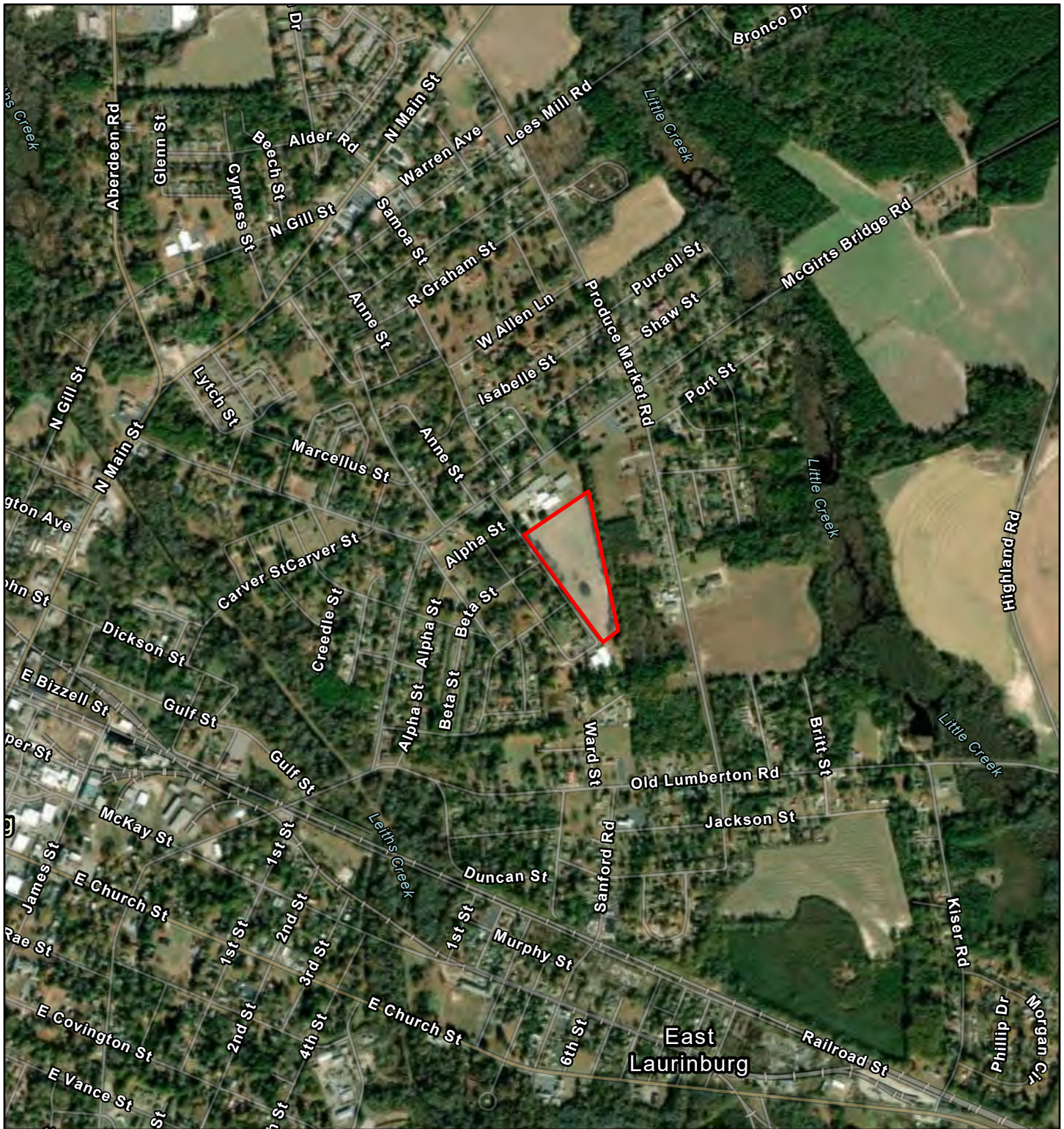
Proposed Project Enclosures:

Attachment 1: Proposed Project Location Maps and Site Plans
Attachment 2: Proposed Project NRHP and NC HPOWEB Maps
Attachment 3: Site Visit Photographs

Section 106 ATTACHMENT 1:

**Proposed Project Location Maps
and Site Plans**

I. Ellis Johnson Multi-Family Housing - Aerial Map

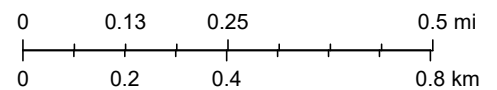


June 2, 2025



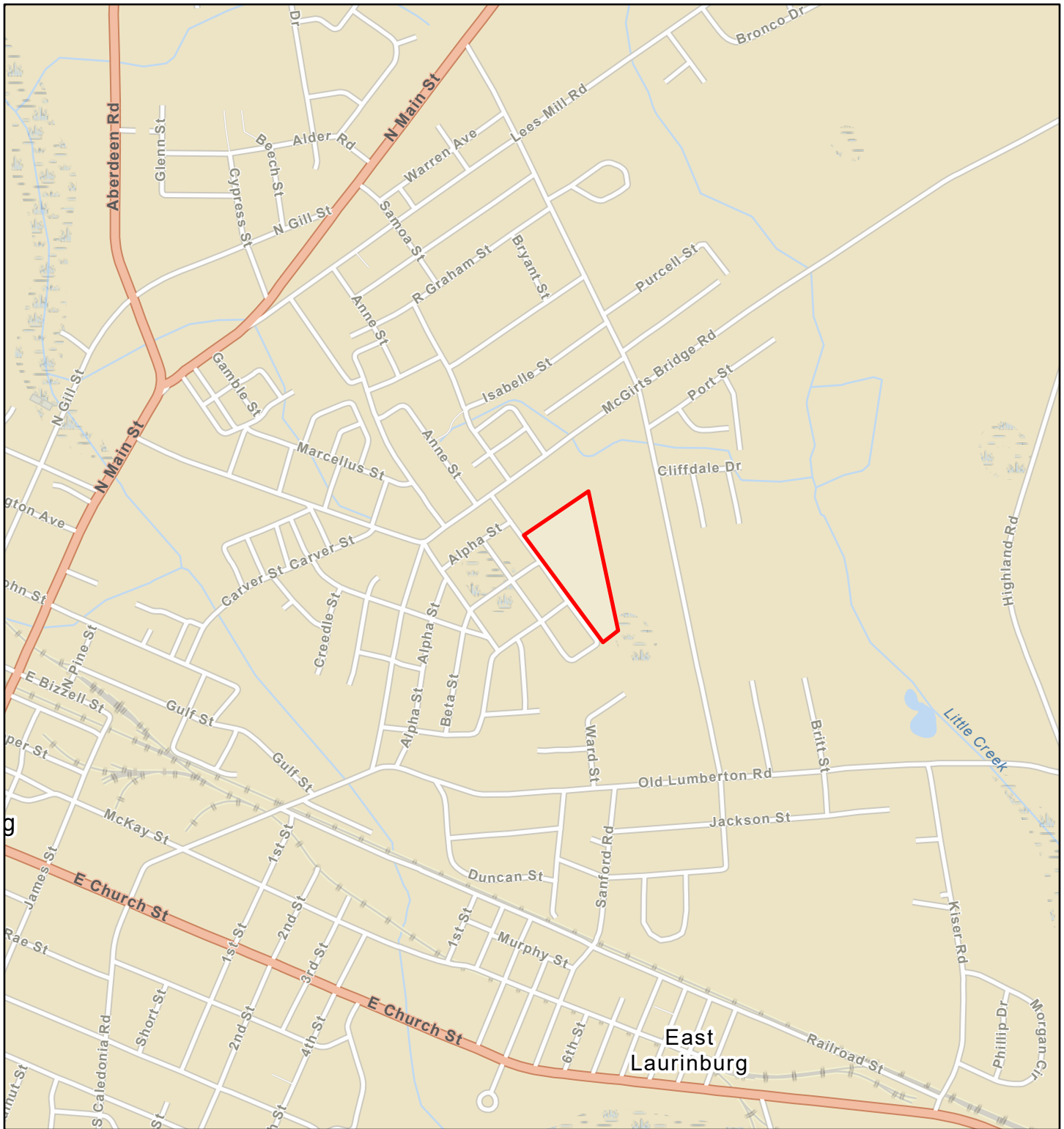
I. Ellis Johnson

1:18,056



Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, (c) OpenStreetMap contributors, and the GIS User Community, Maxar

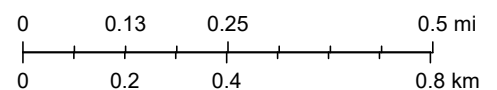
I. Ellis Johnson Multi-Family Housing - Street Map



June 2, 2025

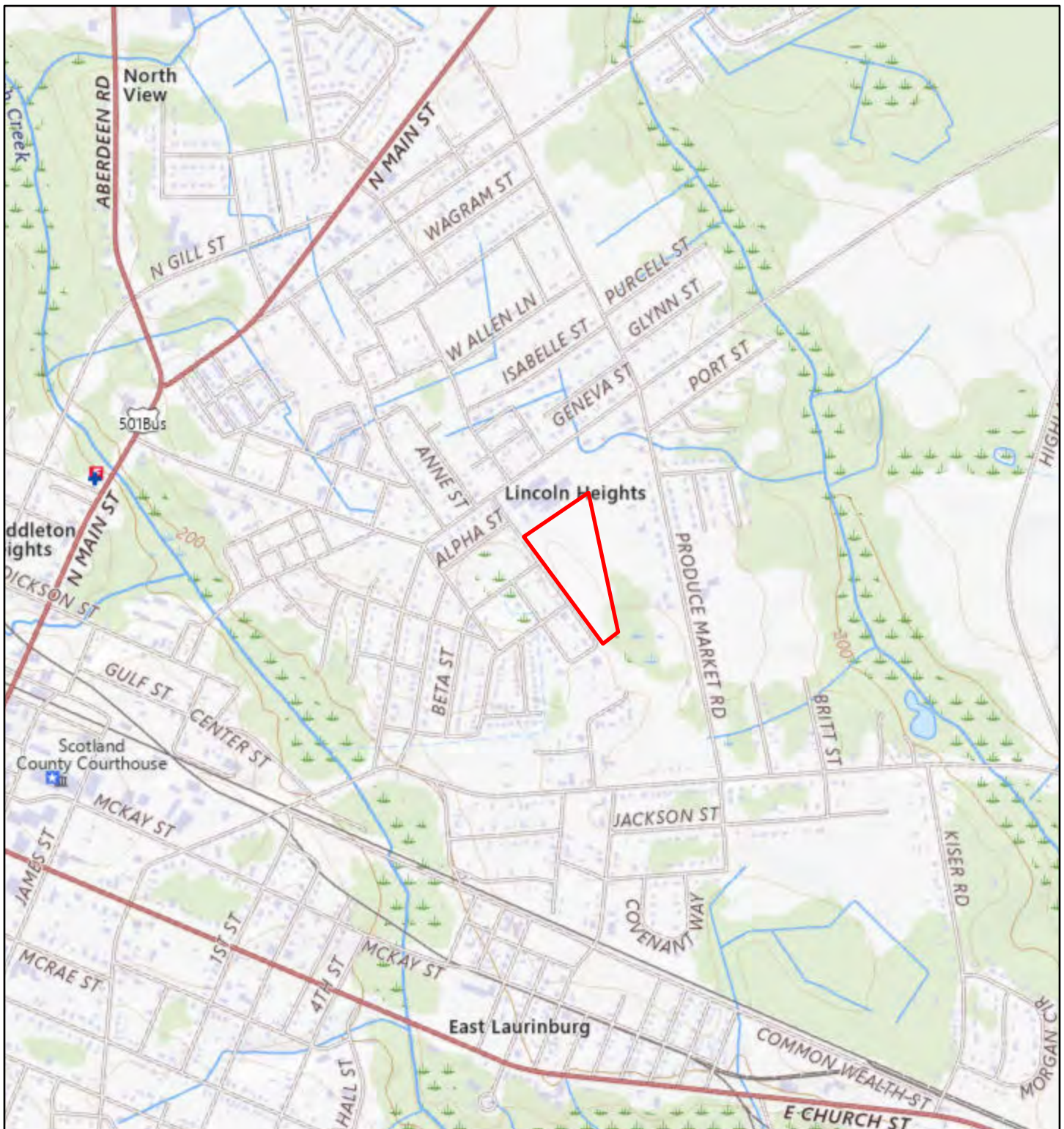
 I. Ellis Johnson

1:18,056



Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, (c) OpenStreetMap contributors, and the GIS User Community

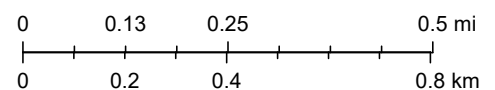
I. Ellis Johnson Multi-Family Housing - Topographic Map



June 2, 2025

 I. Ellis Johnson

1:18,056



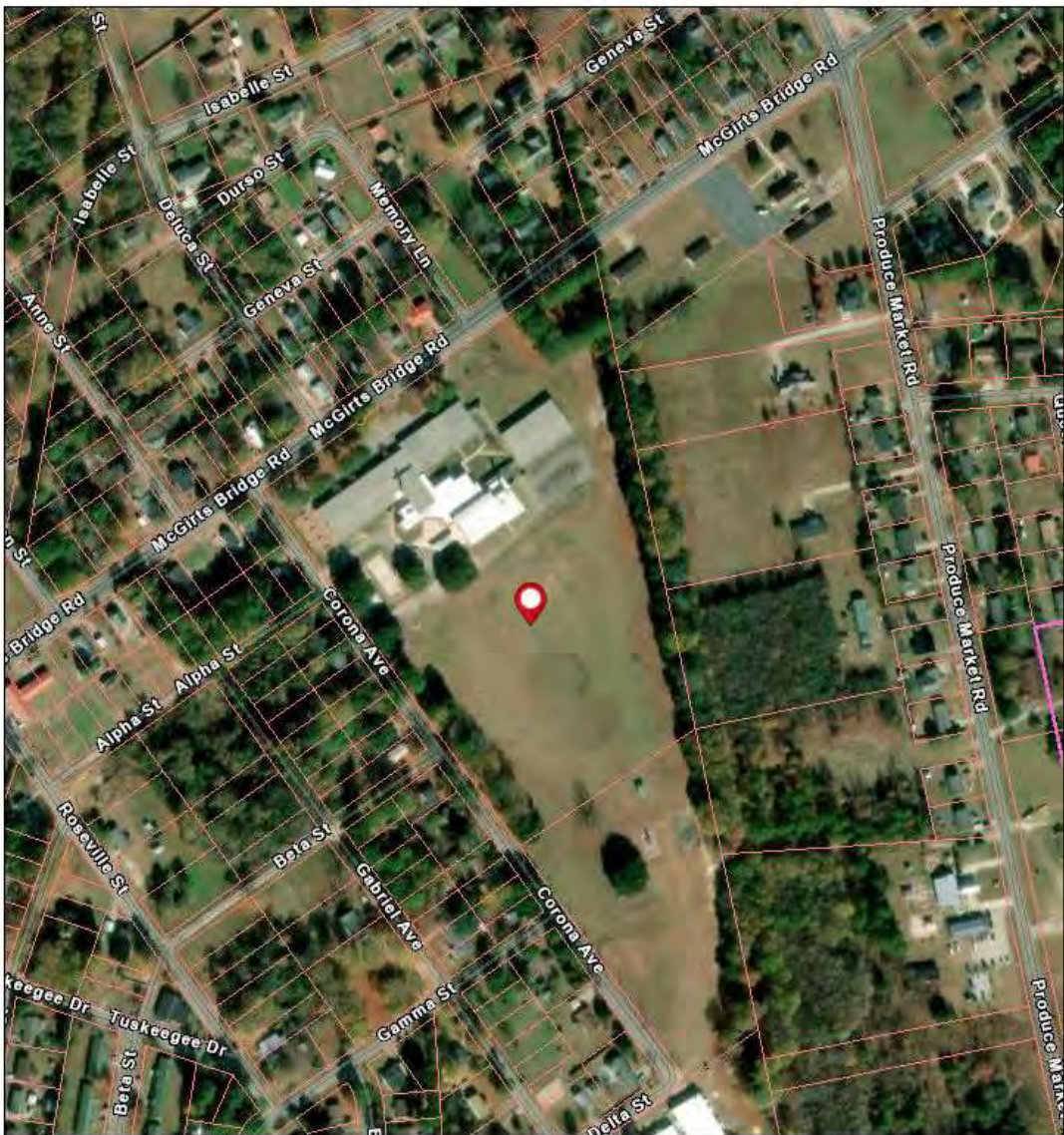
USGS The National Map: National Boundaries Dataset, 3DEP Elevation Program, Geographic Names Information System, National Hydrography Dataset, National Land Cover Database, National Structures Dataset, and National Transportation Dataset; USGS Global Ecosystems; U.S. Census Bureau TIGER/Line data; USFS Road data; Natural Earth Data; U.S.



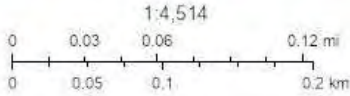
Parcel Report - 15.05-acre Parcel PIN 01008001002

Area of Interest (AOI) Information

Jun 3 2025 15:08:57 Central Daylight Time



- Parcels
- City Limits
- Extraterritorial Jurisdictions



Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, (c) OpenStreetMap contributors, and the GIS User Community. Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

Parcels

#	Name	Address1	Address2	Address3	City
1	SCOTLAND COUNTY BOARD OF	EDUCATION	No Data	322 S MAIN ST	LAURINBURG

#	State	ZipCode	PropertyAd	AccountNum	PINID
1	NC	283523834	815 MCGIRTS BRIDGE RD	7072011.000000	01008001002

#	AssessedVa	BuildingVa	CountyTaxC	DeedBook	DeedDate
1	0	2,583,220	C	No Data	0

#	DeedPage	DeedStamps	ExemptionC	FireTaxCod	LegalDescr
1	0.000000	0	No Data	No Data	I E JOHNSON SCHOOL

#	MarketLand	MarketValu	ObxfValue	Area(acres)
1	178,640	2,786,610	24,750	N/A

Zoning Codes in Laurinburg

#	Zoning Code	Area(acres)
1	O-I	N/A

City Limits

#	City Name	Area(acres)
1	Laurinburg	N/A

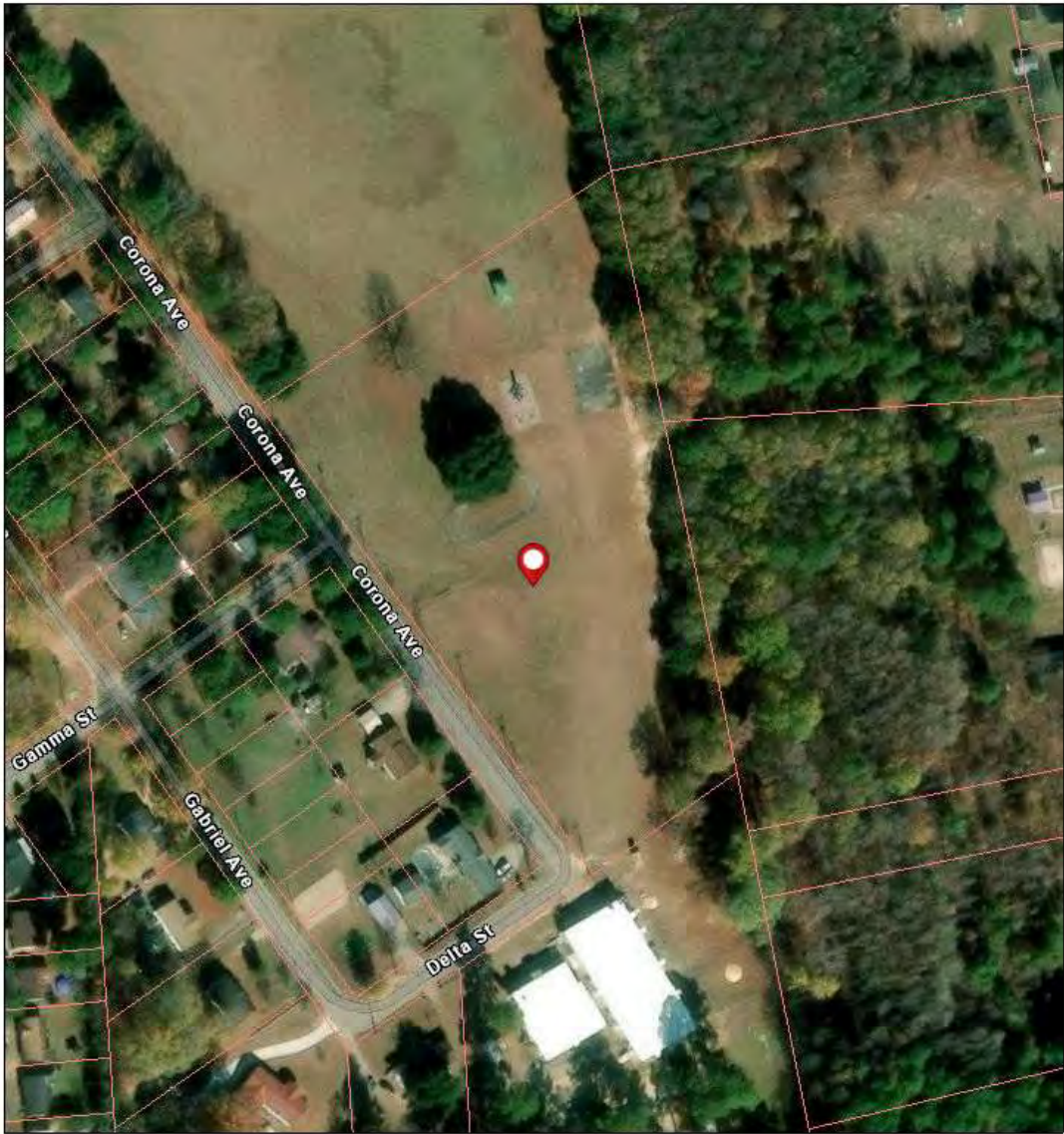
This product is for informational purposes and may not have been prepared for, or be suitable for legal, engineering, or surveying purposes. Users of this information should review or consult the primary data and information sources to ascertain the usability of the information.



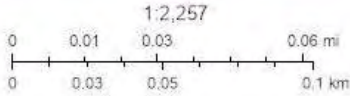
Parcel Report - 4.69-acre Parcel PIN 0100800100201

Area of Interest (AOI) Information

Jun 3 2025 15:05:11 Central Daylight Time



- Parcels
- City Limits
- Extraterritorial Jurisdictions



Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, (c) OpenStreetMap contributors, and the GIS User Community. Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

Parcels

#	Name	Address1	Address2	Address3	City
1	SCOTLAND COUNTY	(PERMANENT LISTING)	PO BOX 488	No Data	LAURINBURG
#	State	ZipCode	PropertyAd	AccountNum	PINID
1	NC	283530488	CORONA AV	7071006.000000	0100800100201
#	AssessedVa	BuildingVa	CountyTaxC	DeedBook	DeedDate
1	0	0	C	0006O	19731120
#	DeedPage	DeedStamps	ExemptionC	FireTaxCod	LegalDescr
1	712.000000	0	No Data	No Data	LINCOLN PARK
#	MarketLand	MarketValu	ObxfValue	Area(acres)	
1	47,700	47,700	0	N/A	

Zoning Codes in Laurinburg

#	Zoning Code	Area(acres)
1	O-I	N/A

City Limits

#	City Name	Area(acres)
1	Laurinburg	N/A

This product is for informational purposes and may not have been prepared for, or be suitable for legal, engineering, or surveying purposes. Users of this information should review or consult the primary data and information sources to ascertain the usability of the information.

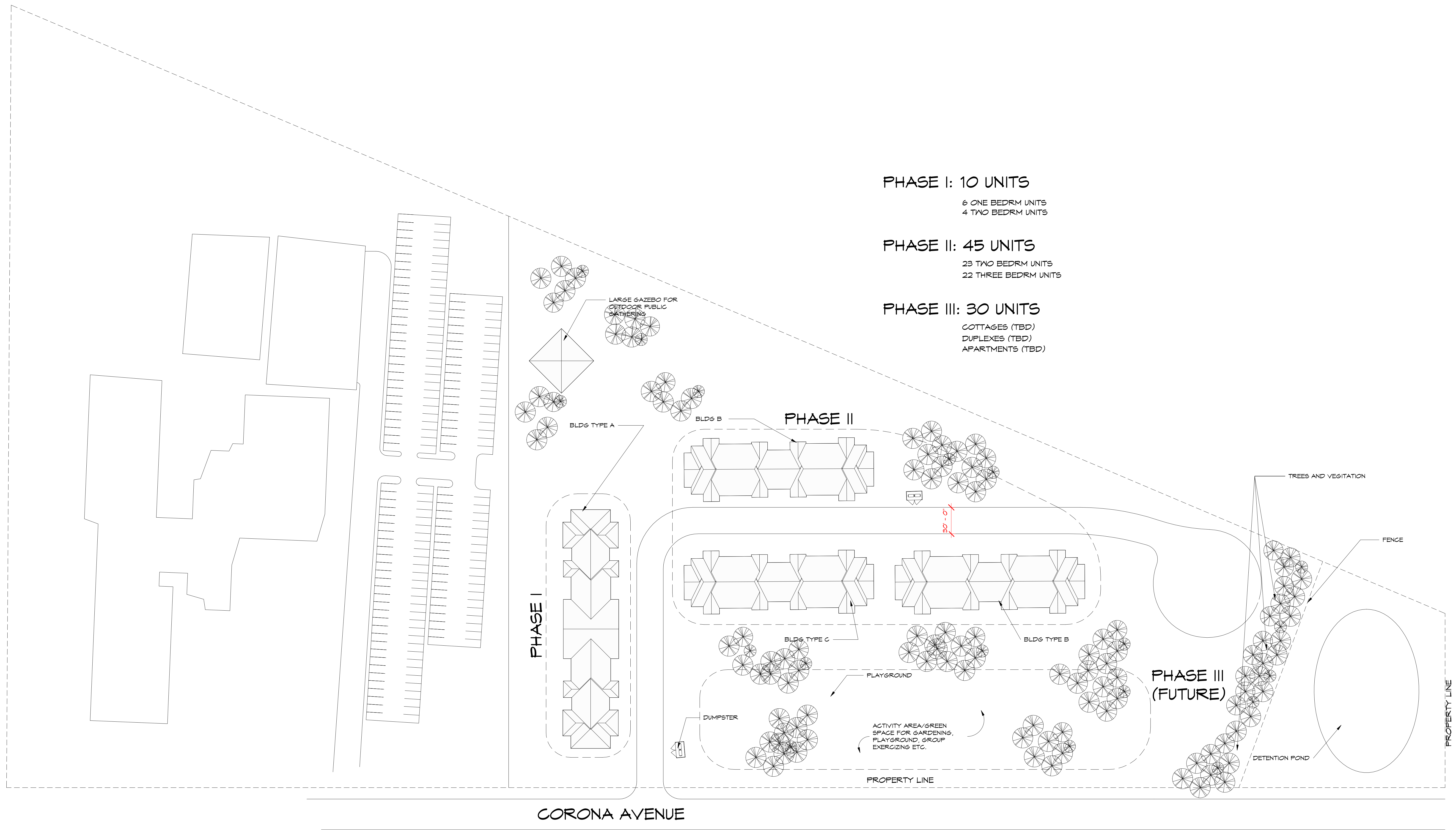
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[illegible]

PROJ. NO:	23.002
DATE:	08/23/2023
DRAWN BY:	LRW
Checked by:	Checker

SITE PLAN

**LAURINBURG LOW INCOME
HOUSING MASTER PLAN**
LAURINBURG, NC



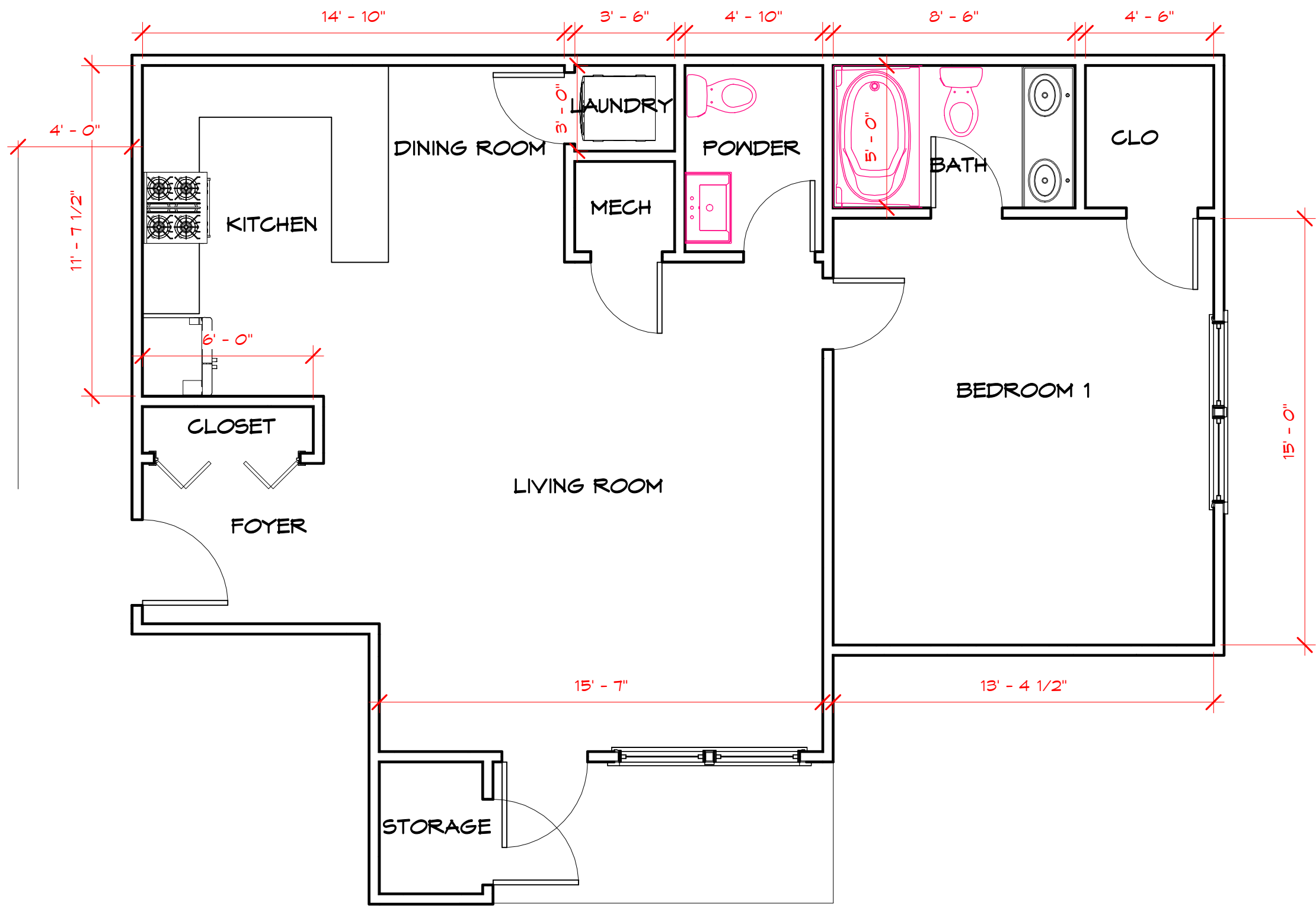
1 Site
1" = 50'-0"

Rev	Date	Description

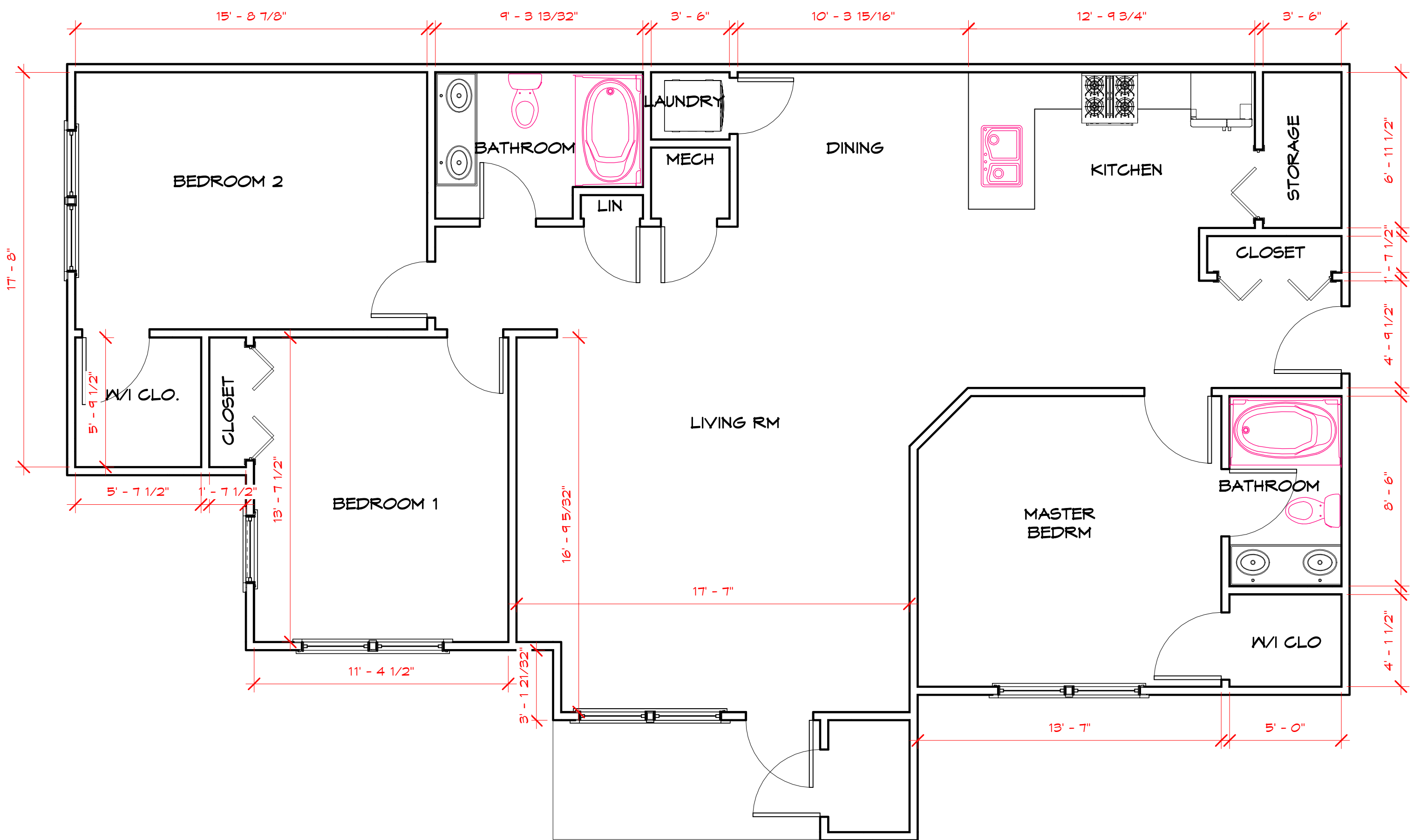
23.002	PROJ. NO:	08/23/2023	DATE:	LRW	DRAWN BY:	Checked by:

SCHEMATIC FLOOR
PLANS

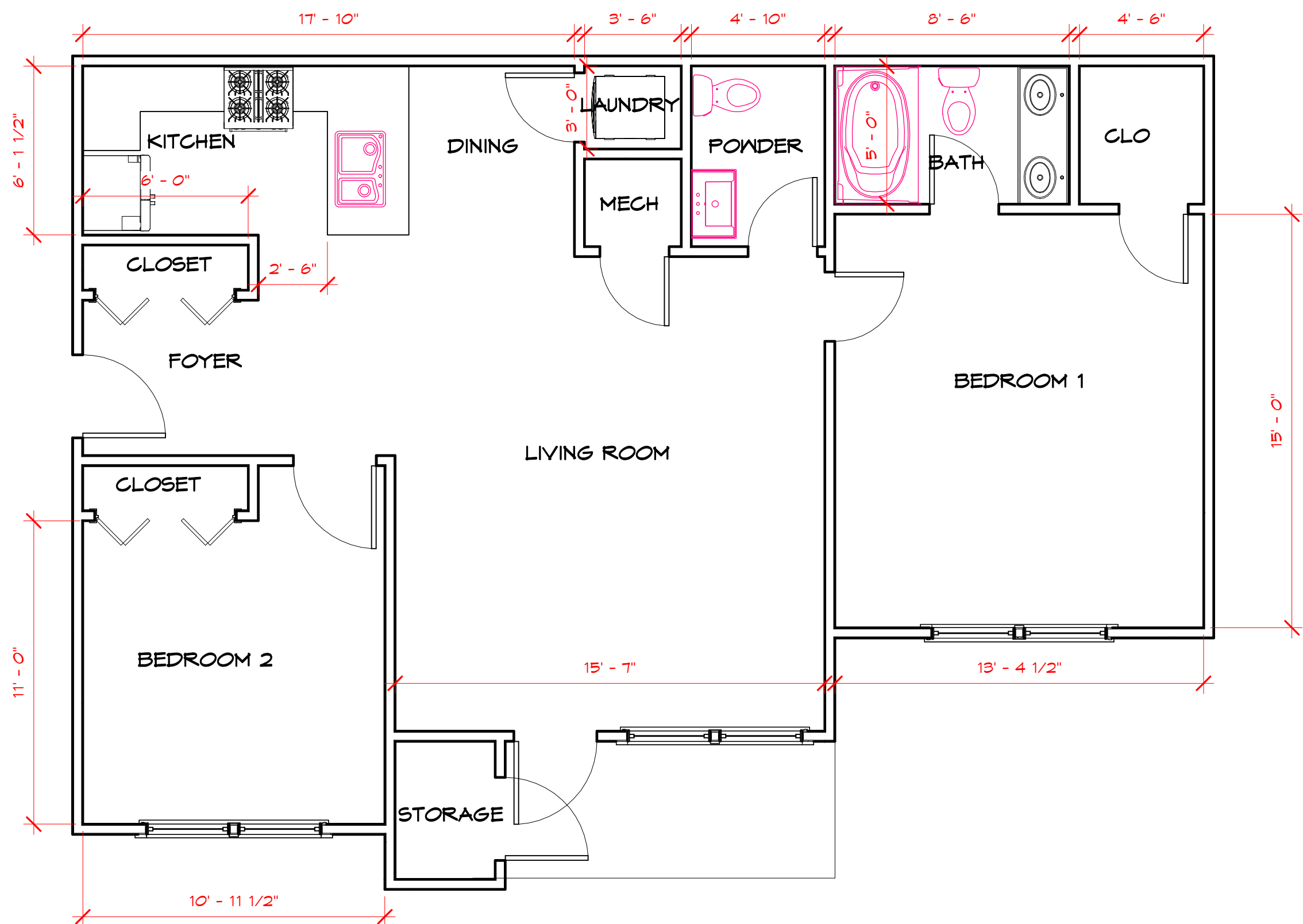
LAURINBURG LOW INCOME
HOUSING MASTER PLAN
LAURINBURG, NC



1 BR APARTMENT - 836 SF (heated) 902 sf (w/ unheated)



3 BR APARTMENT - 1500 SF (heated) 1566 (w/ unheated)



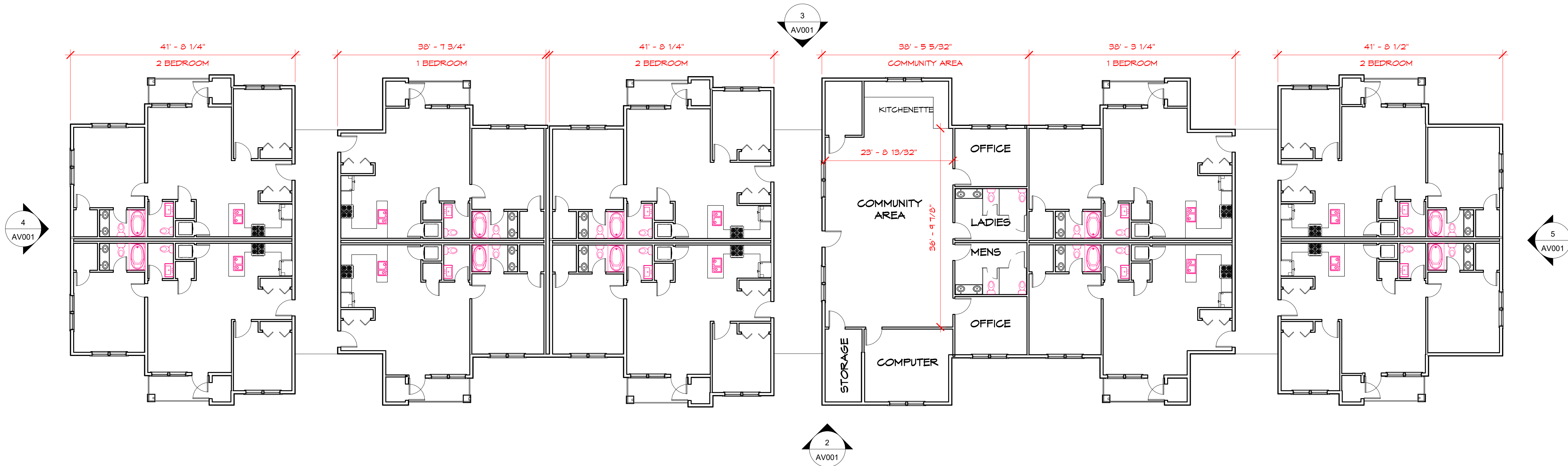
2 BR APARTMENT - 1009 SF (heated) 1075 SF (w/unheated)

Rev	Date	Description

PROJ. NO:	23.002	LRW	Checker
DATE:	08/23/2023		
DRAWN BY:			
Checked by:			

PHASE I -
SCHEMATIC FLOOR
PLANS

LAURINBURG LOW INCOME
HOUSING MASTER PLAN
LAURINBURG, NC



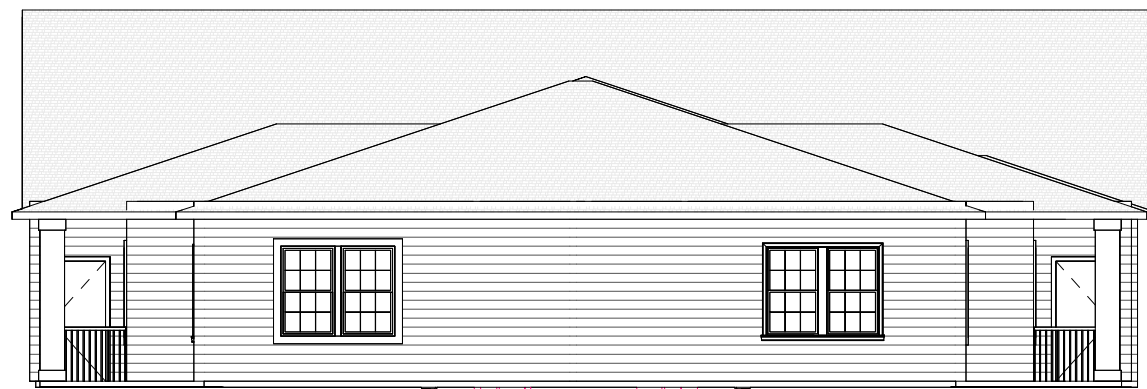
1 MAIN FLOOR - BUILDING A
3/32" = 1'-0"



2 Elevation 9 - a
3/32" = 1'-0"



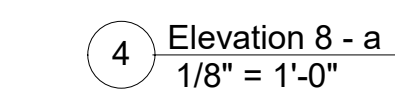
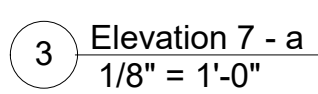
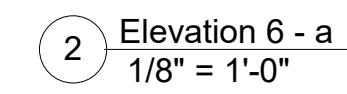
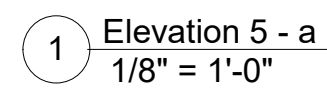
3 Elevation 10 - a
3/32" = 1'-0"



4 Elevation 11 - a
3/32" = 1'-0"

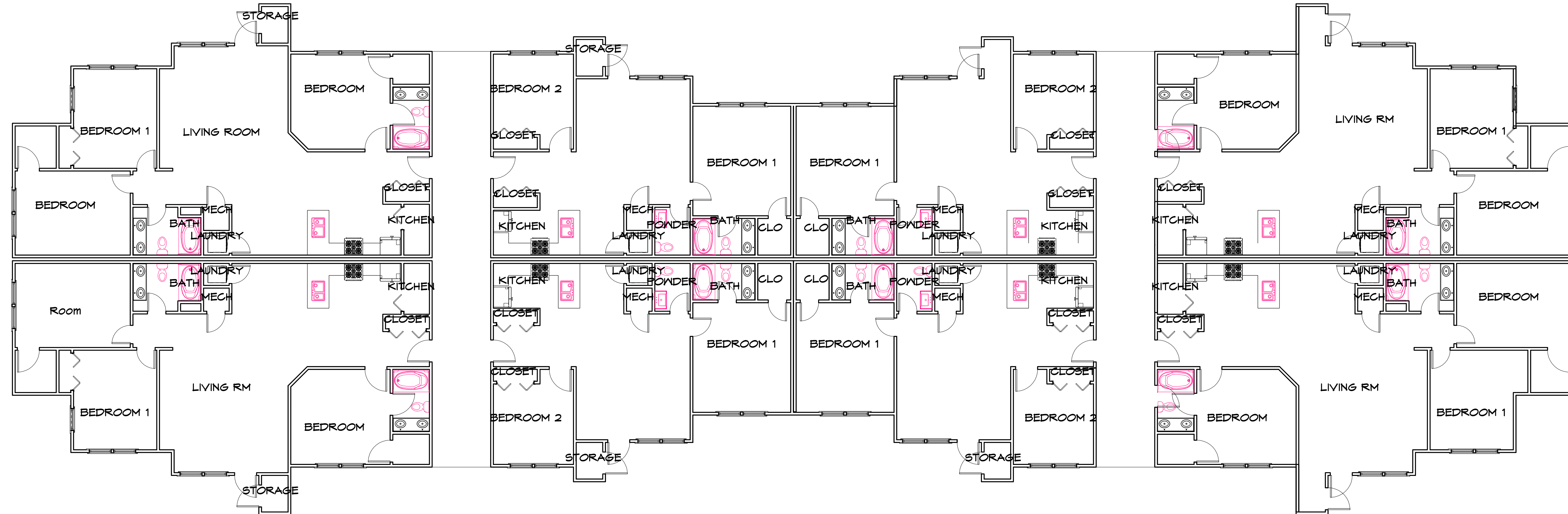


5 Elevation 12 - a
3/32" = 1'-0"

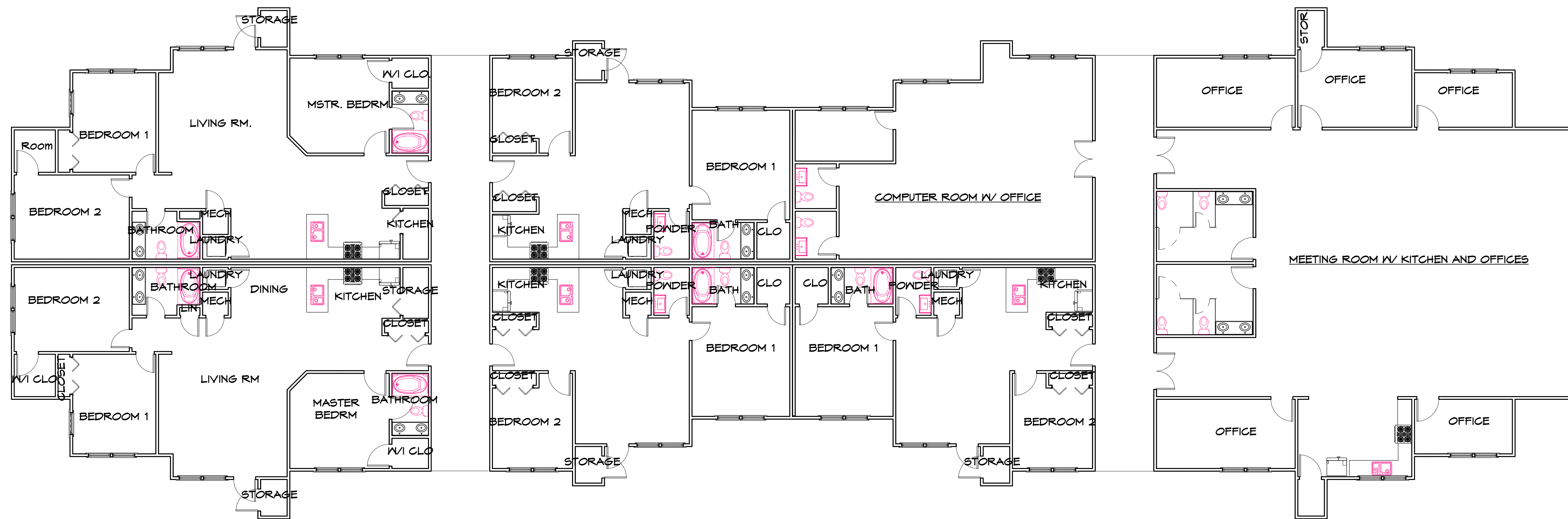
[illegible]

GARDEN APT. 3D VIEW AND ELEVATIONS

ISSUED FOR REVIEW



1 MAIN AND SECOND FLOOR - BLDG. B
1/8" = 1'-0"



2 MAIN FLOOR - BULD C (SEE BLDG B FOR
SEC. FLOOR)
1/8" = 1'-0"

DIGITAL SEAL

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Rev	Date	Description

23.002	08/23/2023	LRW	Checker
PROJ. NO:	DATE:	DRAWN BY:	Checked by:

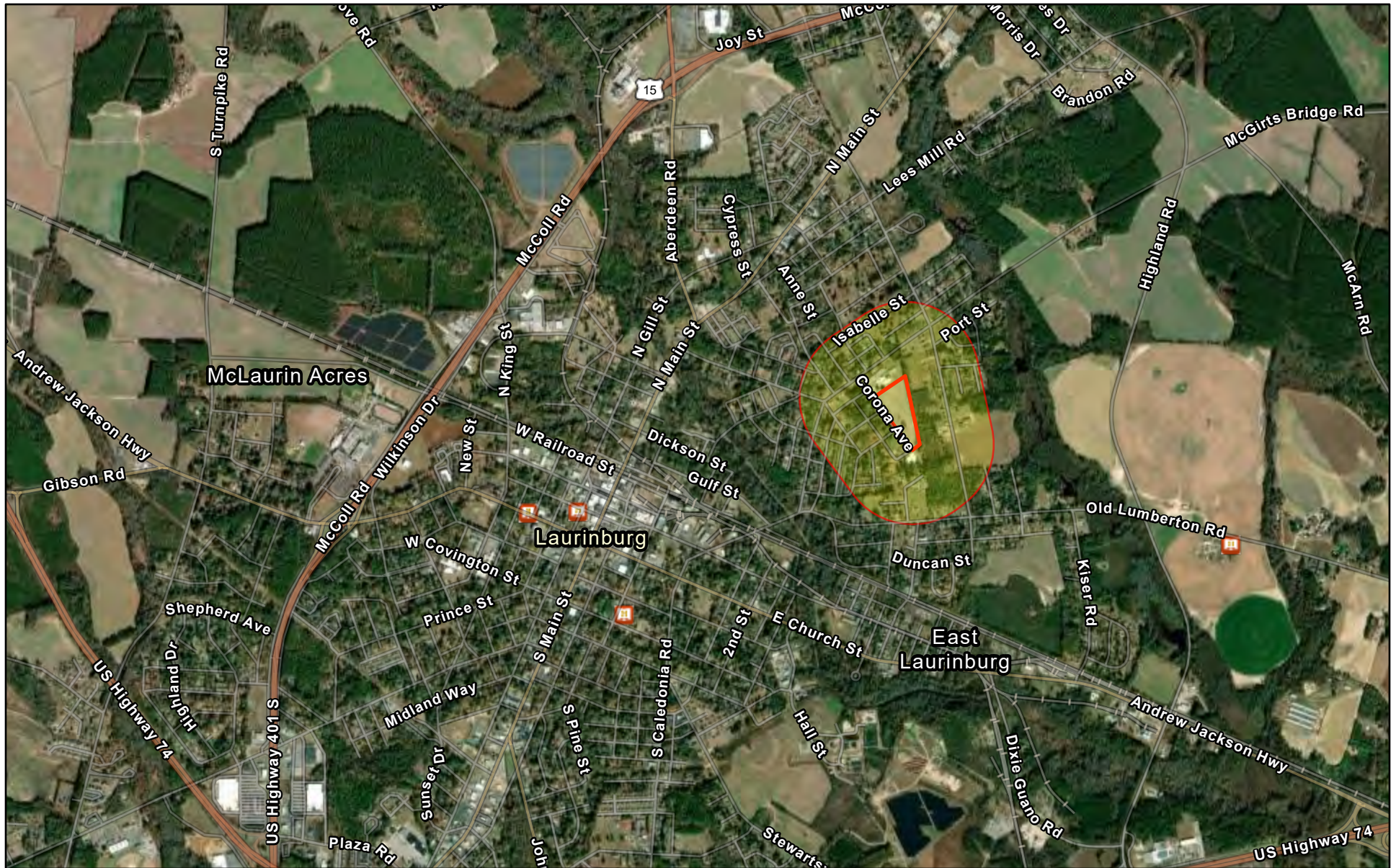
PHASE 2 FLOOR
PLANS

LAURINBURG LOW INCOME
HOUSING MASTER PLAN
LAURINBURG, NC




Section 106 ATTACHMENT 2:

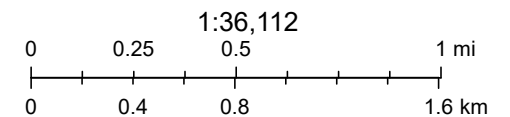
**Proposed Project NRHP and
NC HPOWEB Maps**

I. Ellis Johnson - NRHP Map with 0.25-mile Buffer



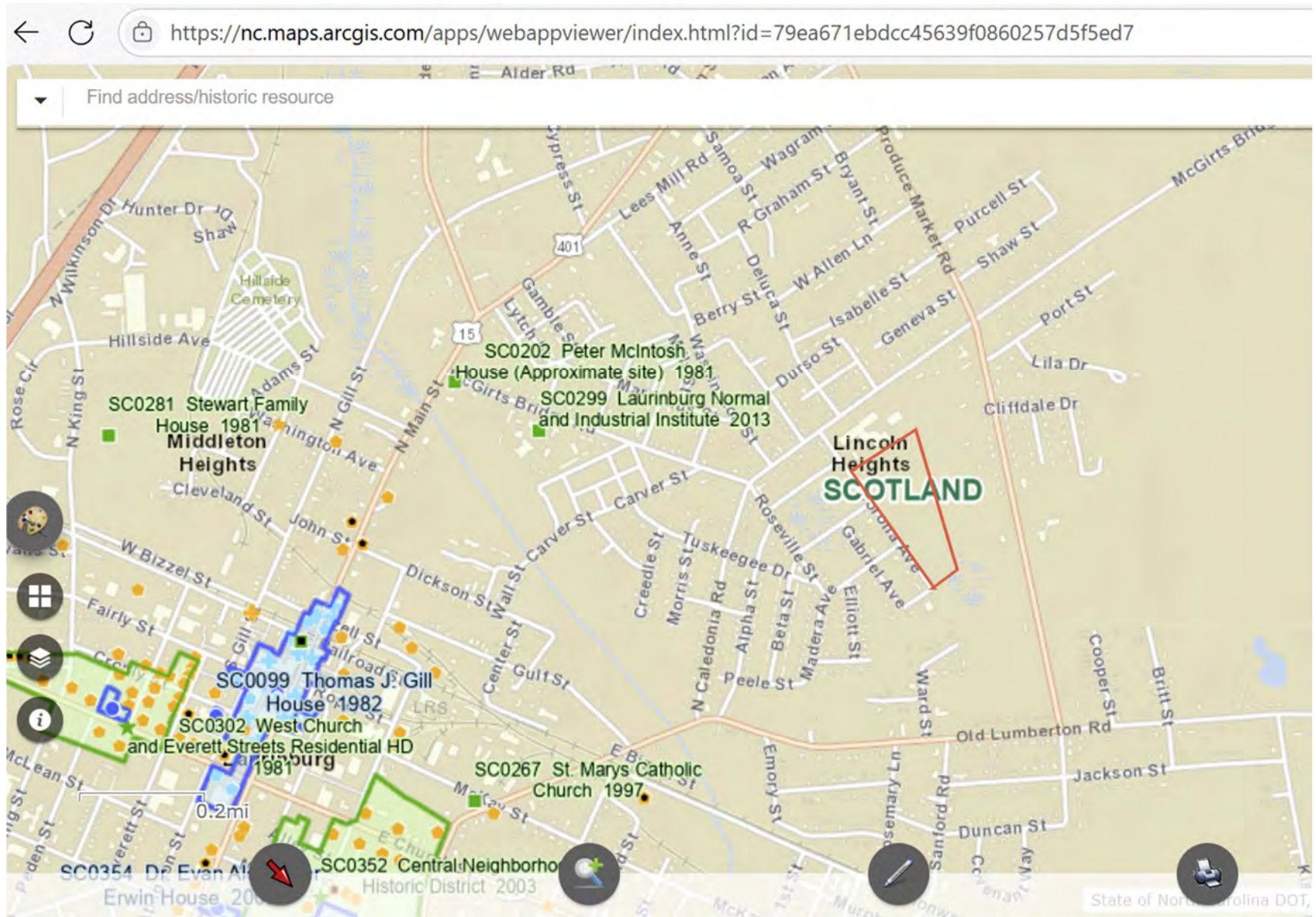
May 23, 2025

-  Project Buffer
-  National Register of Historic Places
-  I. Ellis Johnson



Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, (c) OpenStreetMap contributors, and the GIS User Community, Maxar, EPA OEI, OFA

I. Ellis Johnson – NC HPOWEB Map



Section 106 ATTACHMENT 3:

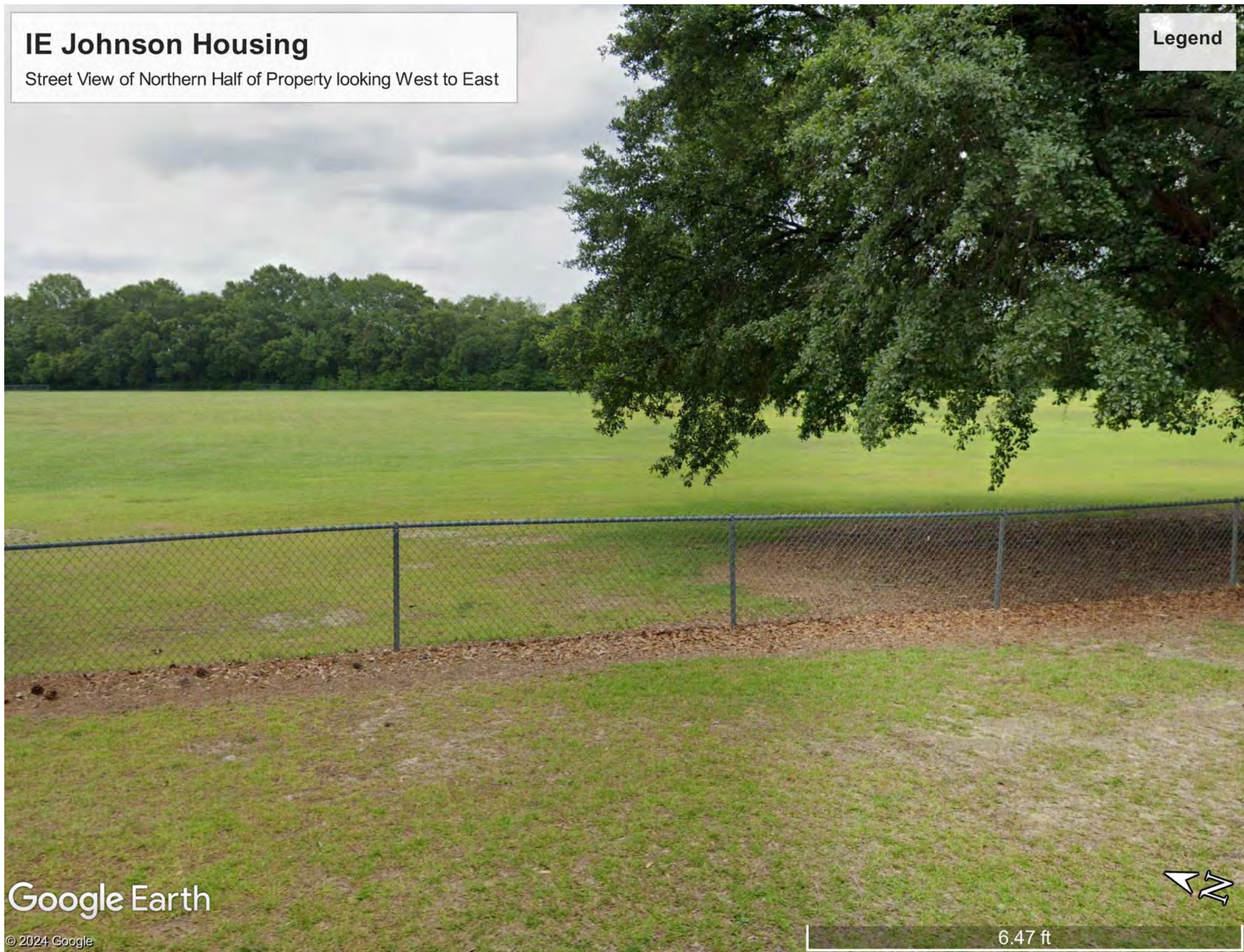
Subject Property Photographs



IE Johnson Housing

Street View of Northern Half of Property looking West to East

Legend



Google Earth

© 2024 Google



6.47 ft

IE Johnson Housing

Street View of Property's Center, looking West to East. (Recreation Area)

Legend



Google Earth

© 2024 Google

6.88 ft

IE Johnson Housing

Street View of Property's Southern-most Corner, looking South to North

Legend



Google Earth

© 2024 Google

6.74 ft

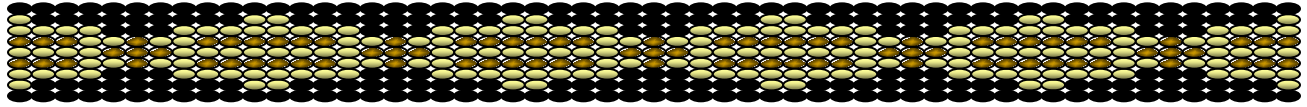




	Tribal Name				County Name		
▀	Catawba Indian Nation (aka Catawba Indian Tribe of South Carolina)				Scotland		
Contact Name		Title	Mailing Address	Work Phone	Fax Number	Email Address	URL
Brian Harris		Chief	996 Avenue of the Nations, Rock Hill, SC - 29730	(803) 366-4792	(803) 327-4853	brian.harris@catawba.com	www.CatawbaCulture.org
Caitlin Rogers		Cultural Division Program Manager	1536 Tom Steven Road, Rock Hill, SC - 29730	(803) 328-2427 ext. 226	(803) 328-5791	caitlin.rogers@catawba.com	www.CatawbaCulture.org
Dr. Wenonah G. Haire		THPO and Catawba Cultural Center Executive Director	1536 Tom Steven Road, Rock Hill, SC - 29730	(803) 328-2427 ext. 224	(803) 328-5791	wenonah.haire@catawba.com	www.CatawbaCulture.org
1 - 1 of 1 results							
« < 1 > » 10 ▾							

Catawba Indian Nation
Tribal Historic Preservation Office
1536 Tom Steven Road
Rock Hill, South Carolina 29730

Office 803-328-2427



July 24, 2025

Attention: Andrea Gievers
NCORR
PO Box 110465
Durham, NC 27709

Re. THPO #	TCNS #	Project Description
2025-1119-5		Ellis Johnson Multifamily Housing Project

Dear Ms. Gievers,

The Catawba have no immediate concerns with regard to traditional cultural properties, sacred sites or Native American archaeological sites within the boundaries of the proposed project areas. **However, the Catawba are to be notified if Native American artifacts and / or human remains are located during the ground disturbance phase of this project.**

If you have questions, please contact Caitlin Rogers at 803-328-2427 ext. 226, or e-mail Caitlin.Rogers@catawba.com.

Sincerely,

Wenonah G. Haire
Tribal Historic Preservation Officer



North Carolina Department of Public Safety

Office of Recovery and Resiliency

Josh Stein, Governor
Eddie M. Buffalo, Jr., Secretary

Pryor Gibson, Interim Director

June 4, 2025

Chief Brian Harris
Catawba Indian Nation
996 Avenue of the Nations
Rock Hill, SC 29730

RE: Section 106 Review - HUD CDBG-MIT Program
Proposed I. Ellis Johnson Multi-Family Housing
Corona Avenue, Laurinburg, NC 28352

Dear Chief Brian Harris:

The North Carolina Office of Recovery and Resiliency (NCORR), as a recipient of Community Development Block Grant – Mitigation (CDBG-MIT) funds from the United States Department of Housing and Urban Development (HUD), is serving as the responsible entity for compliance with the HUD environmental review procedures set forth in 24 CFR Part 58. NCORR is acting on behalf of HUD in providing the enclosed project information and inviting this discussion with your Nation.

NCORR processes environmental reviews for proposed projects funded with HUD CDBG-MIT on a case-by-case basis. In accordance with Section 101(d)(6)(B) of the National Historic Preservation Act (NHPA) of 1966, as amended (16 U.S.C. 470f), and its implementing regulations, 36 CFR Part 800, this letter serves as notification of the proposed action. This letter also serves as an invitation to discussion as a consulting party in this review to help identify historic properties in the proposed project area that may have religious and cultural significance to your Nation, and if such properties exist, to help assess how the proposed project might affect them. If the proposed project might have an adverse effect, we would like to discuss possible ways to avoid, minimize or mitigate potential adverse effects.

Mailing Address:
Post Office Box 110465
Durham, NC 27709



Phone: (984) 833-5350
www.ncdps.gov
www.rebuild.nc.gov

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The State of North Carolina was adversely impacted by the landfall of Hurricanes Matthew (October 8, 2016) and Florence (September 14, 2018). These hurricanes damaged or destroyed hundreds of homes worsening the affordable housing shortage. The proposed development will provide affordable housing for low- and middle-income families in the local community.

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Proposed Project Description: I. Ellis Johnson Multi-Family Housing (proposed project) involves new construction of a 55-unit multifamily, affordable housing apartment complex with a gazebo, playground, open green space, paved parking areas, retention pond, landscaping, and associated infrastructure. There are two phases of the proposed project identified and reviewed for NCORR's HUD CDBG-MIT funding under Project Aggregation (24 CFR 58.32). A Phase Three has not been fully vetted for planning and funding purposes and, thus, is not included in this 24 CFR 58 review. Phase One consists of a 10-unit one-story apartment building with a mix of six (6) one-bedroom units and four (4) two-bedroom units targeting homeless populations. Phase Two consists of 45 units in two (2) two-story apartment buildings with a mix of twenty-three (23) two-bedroom units, and twenty-two (22) three-bedroom units likely targeting households at or below 50% or 80% AMI. The proposed project site plans are included in **Attachment 1**.

We have completed an initial review of this project in compliance with Section 106 of the NHPA and its implementing regulations 36 CFR Part 800. A review of the Subject Property in the National Register of Historic Places and North Carolina State Historic Preservation Office's HPOWEB and site visit identified no publicly recorded historic properties, locally designated or listed in or eligible for inclusion in the State or National Register of Historic Places, located *on or adjacent* to the Subject Property. The results are included in **Attachment 2**.

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Ms. Andrea Gievers
NCORR - Environmental
ATTN: THPO Comments
P.O. Box 110465
Durham, NC 27709

If you have any questions or require additional information regarding this request, please feel free to contact Andrea Gievers at (845) 682-1700 or via email at Andrea.L.Gievers@Rebuild.NC.gov. Thank you for your time and assistance.

Sincerely,



Andrea Gievers, JD, MSEL, ERM
NCORR Environmental Subject Matter Expert

Proposed Project Enclosures:

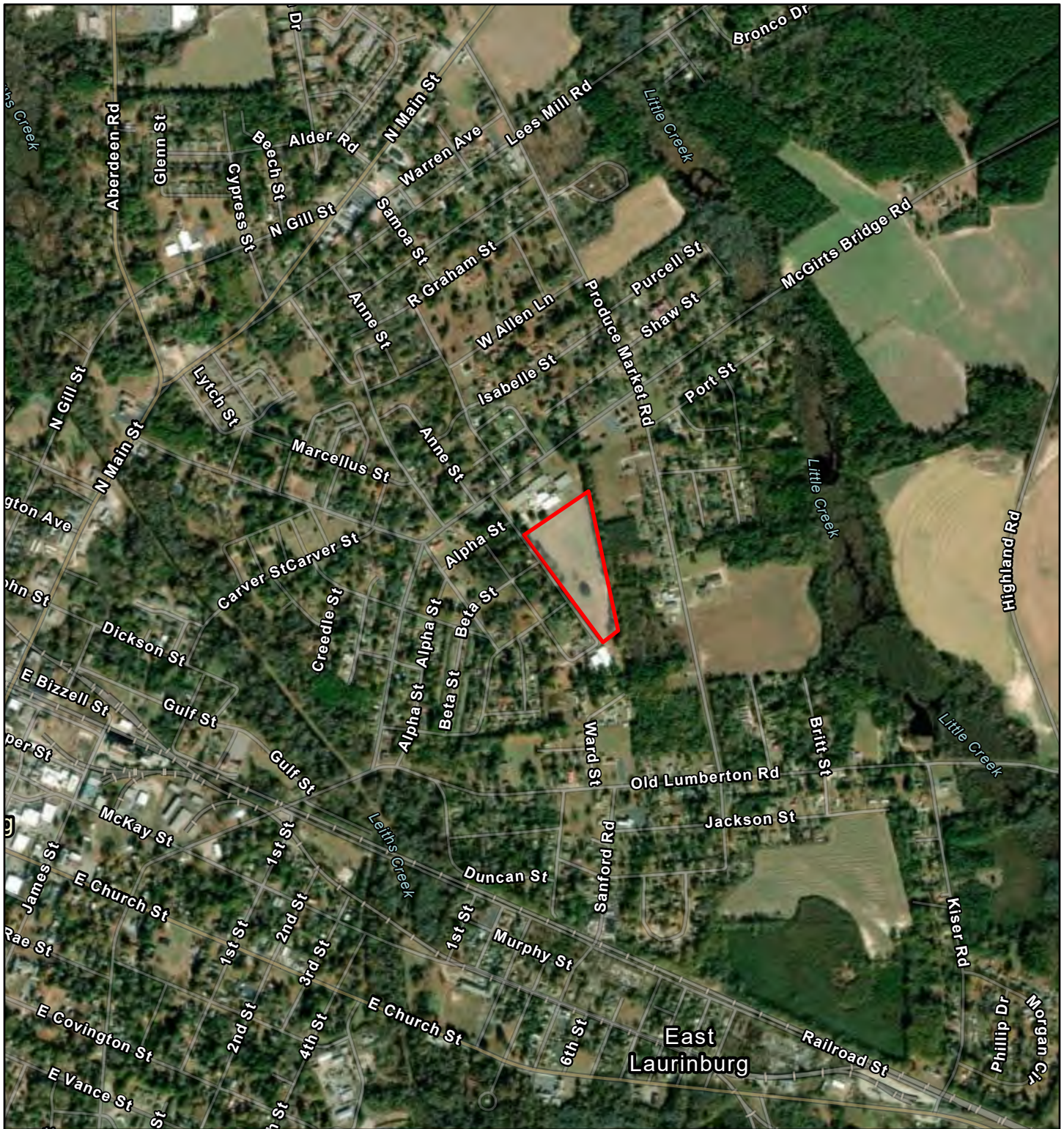
Attachment 1: Proposed Project Location Maps and Site Plans
Attachment 2: Proposed Project NRHP and NC HPOWEB Maps
Attachment 3: Site Visit Photographs

cc: Dr. Wenonah George Haire, ATTN: THPO, Catawba Indian Nation, 1536 Tom Steven Road,
Rock Hill, SC 29730

Section 106 ATTACHMENT 1:

**Proposed Project Location Maps
and Site Plans**

I. Ellis Johnson Multi-Family Housing - Aerial Map

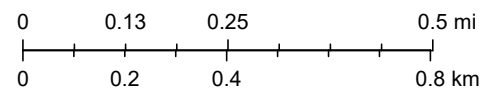


June 2, 2025



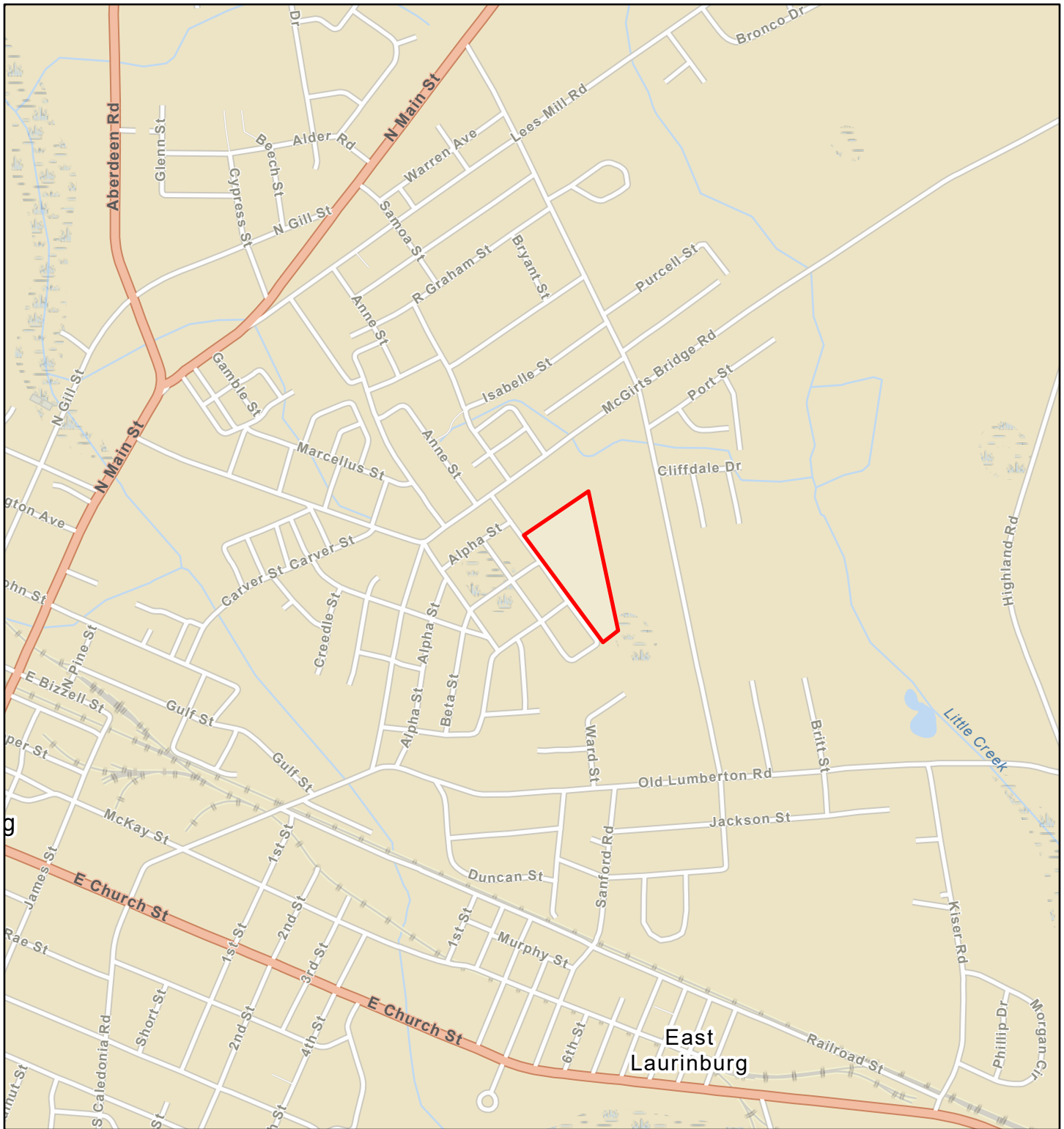
I. Ellis Johnson

1:18,056



Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, (c) OpenStreetMap contributors, and the GIS User Community, Maxar

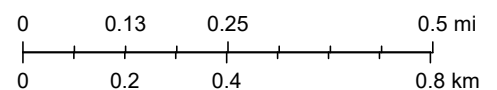
I. Ellis Johnson Multi-Family Housing - Street Map



June 2, 2025

 I. Ellis Johnson

1:18,056



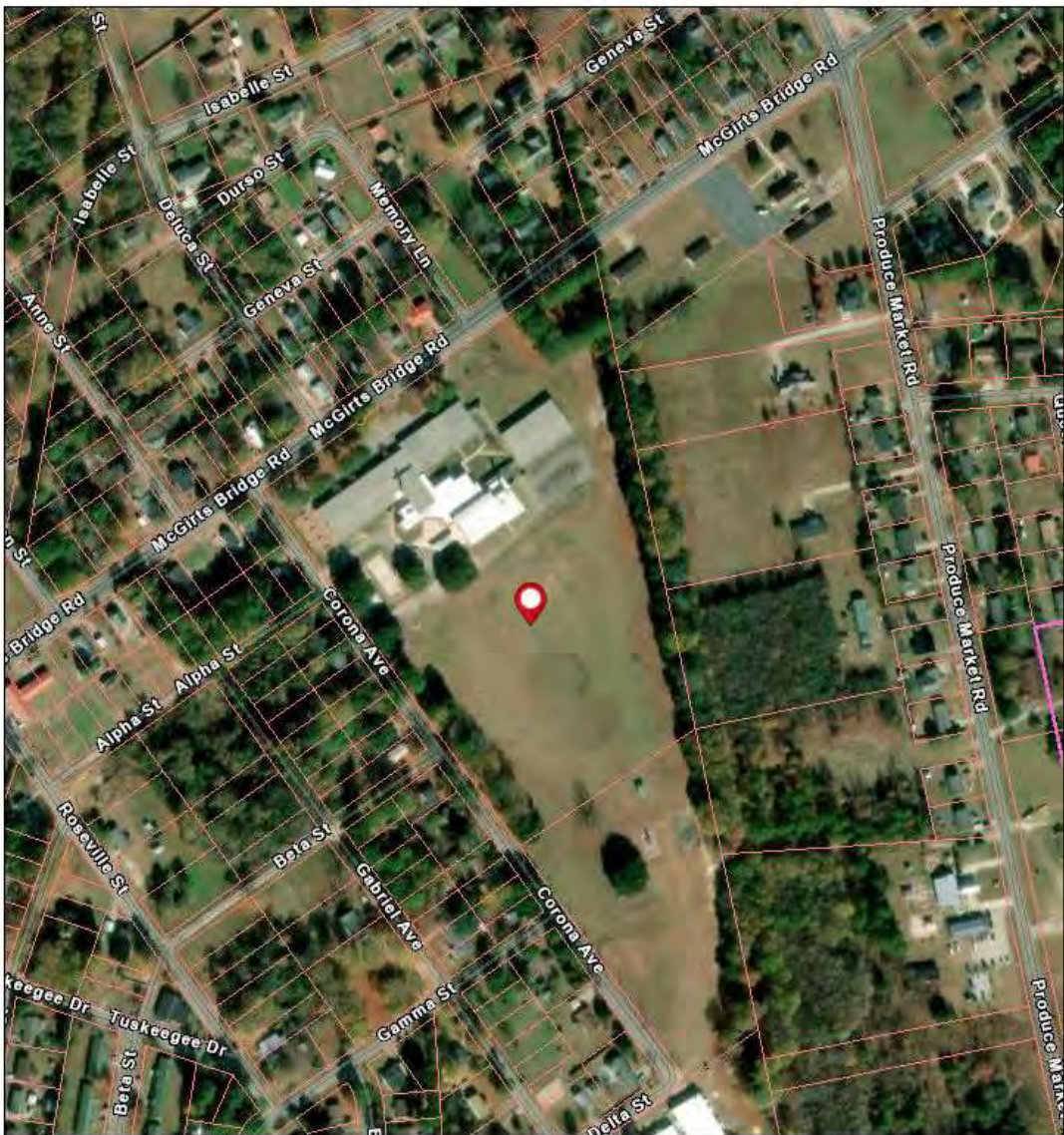
Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, (c) OpenStreetMap contributors, and the GIS User Community



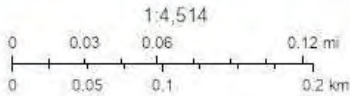
Parcel Report - 15.05-acre Parcel PIN 01008001002

Area of Interest (AOI) Information

Jun 3 2025 15:08:57 Central Daylight Time



- Parcels
- City Limits
- Extraterritorial Jurisdictions



Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, (c) OpenStreetMap contributors, and the GIS User Community. Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

Parcels

#	Name	Address1	Address2	Address3	City
1	SCOTLAND COUNTY BOARD OF	EDUCATION	No Data	322 S MAIN ST	LAURINBURG

#	State	ZipCode	PropertyAd	AccountNum	PINID
1	NC	283523834	815 MCGIRTS BRIDGE RD	7072011.000000	01008001002

#	AssessedVa	BuildingVa	CountyTaxC	DeedBook	DeedDate
1	0	2,583,220	C	No Data	0

#	DeedPage	DeedStamps	ExemptionC	FireTaxCod	LegalDescr
1	0.000000	0	No Data	No Data	I E JOHNSON SCHOOL

#	MarketLand	MarketValu	ObxfValue	Area(acres)
1	178,640	2,786,610	24,750	N/A

Zoning Codes in Laurinburg

#	Zoning Code	Area(acres)
1	O-I	N/A

City Limits

#	City Name	Area(acres)
1	Laurinburg	N/A

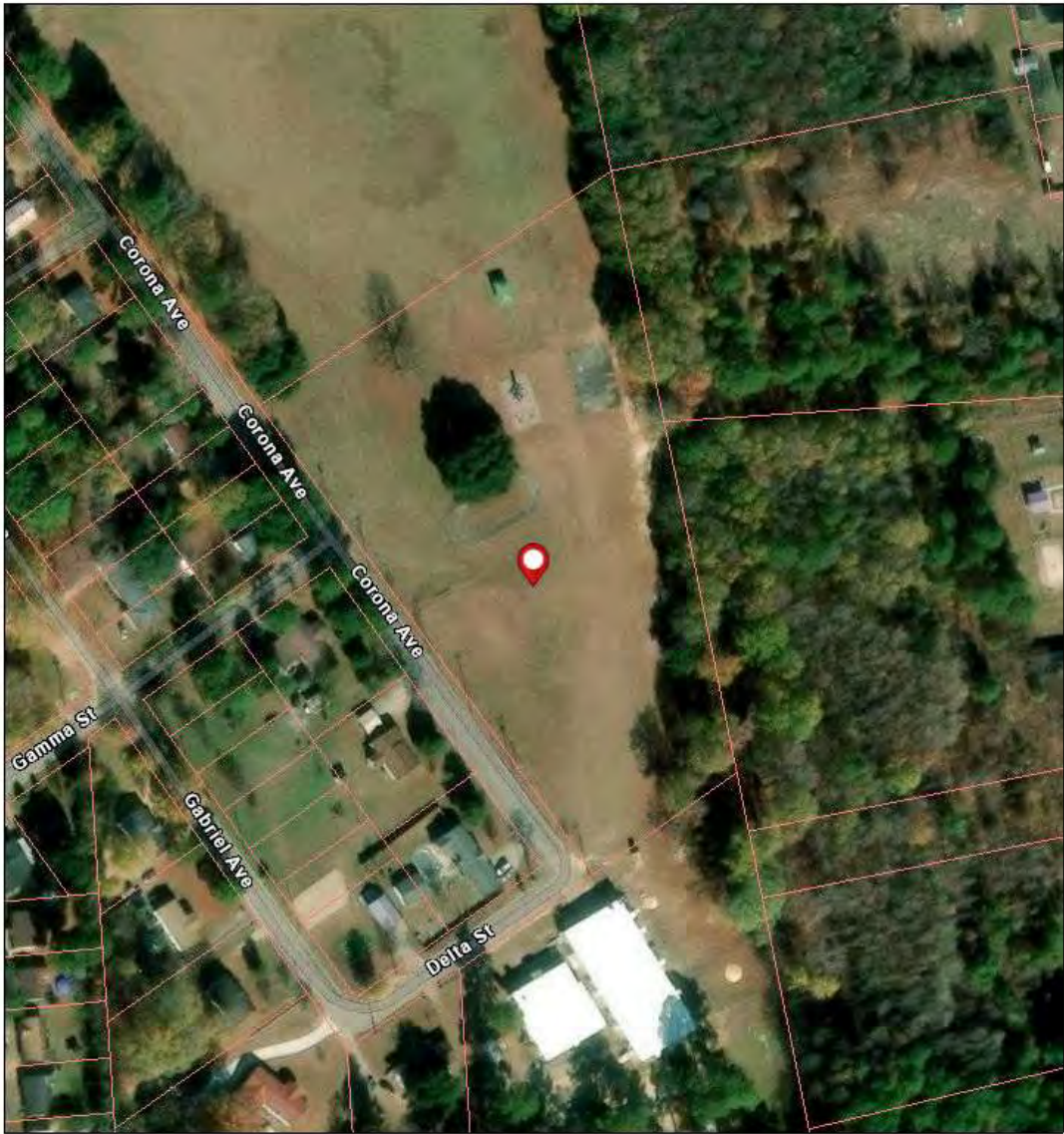
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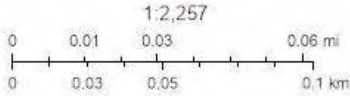
Parcel Report - 4.69-acre Parcel PIN 0100800100201

Area of Interest (AOI) Information

Jun 3 2025 15:05:11 Central Daylight Time



- Parcels
- City Limits
- Extraterritorial Jurisdictions



Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, (c) OpenStreetMap contributors, and the GIS User Community. Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

Parcels

#	Name	Address1	Address2	Address3	City
1	SCOTLAND COUNTY	(PERMANENT LISTING)	PO BOX 488	No Data	LAURINBURG
#	State	ZipCode	PropertyAd	AccountNum	PINID
1	NC	283530488	CORONA AV	7071006.000000	0100800100201
#	AssessedVa	BuildingVa	CountyTaxC	DeedBook	DeedDate
1	0	0	C	0006O	19731120
#	DeedPage	DeedStamps	ExemptionC	FireTaxCod	LegalDescr
1	712.000000	0	No Data	No Data	LINCOLN PARK
#	MarketLand	MarketValu	ObxfValue	Area(acres)	
1	47,700	47,700	0	N/A	

Zoning Codes in Laurinburg

#	Zoning Code	Area(acres)
1	O-I	N/A

City Limits

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1	Laurinburg	N/A

This product is for informational purposes and may not have been prepared for, or be suitable for legal, engineering, or surveying purposes. Users of this information should review or consult the primary data and information sources to ascertain the usability of the information.

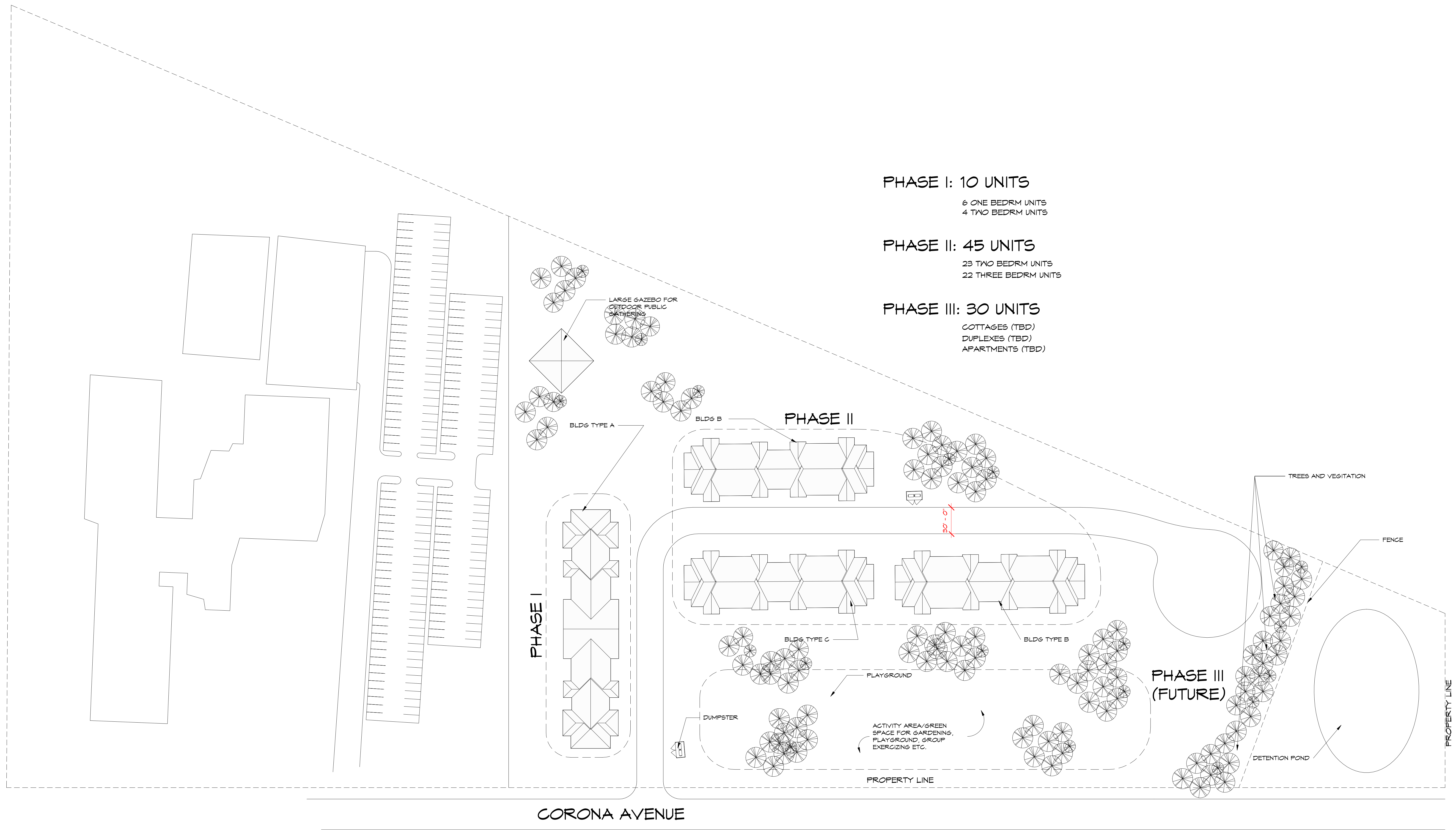
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ANY FORM OR BY ANY MEANS
WITHOUT PRIOR AGREEMENT AND
WRITTEN PERMISSION OF LORENZO R.
WINSLOW ARCHITECT.

Rev	Date	Description

PROJ. NO:	23.002
DATE:	08/23/2023
DRAWN BY:	LRW
Checked by:	Checker

SITE PLAN

**LAURINBURG LOW INCOME
HOUSING MASTER PLAN**
LAURINBURG, NC

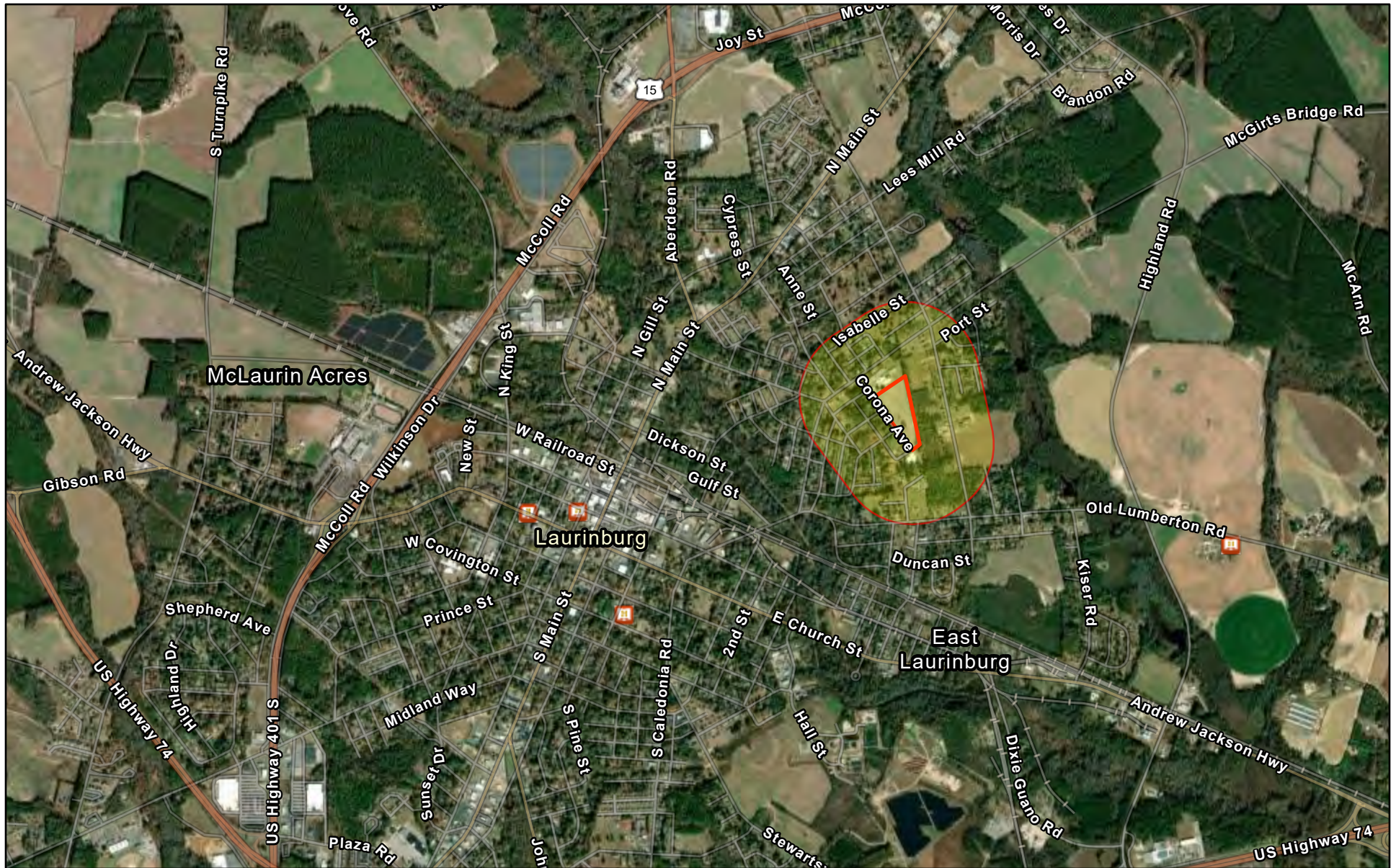


1 Site
1" = 50'-0"

Section 106 ATTACHMENT 2:

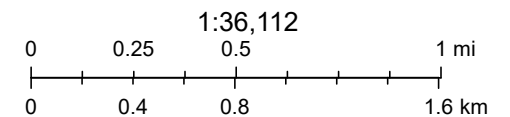
**Proposed Project NRHP and
NC HPOWEB Maps**

I. Ellis Johnson - NRHP Map with 0.25-mile Buffer



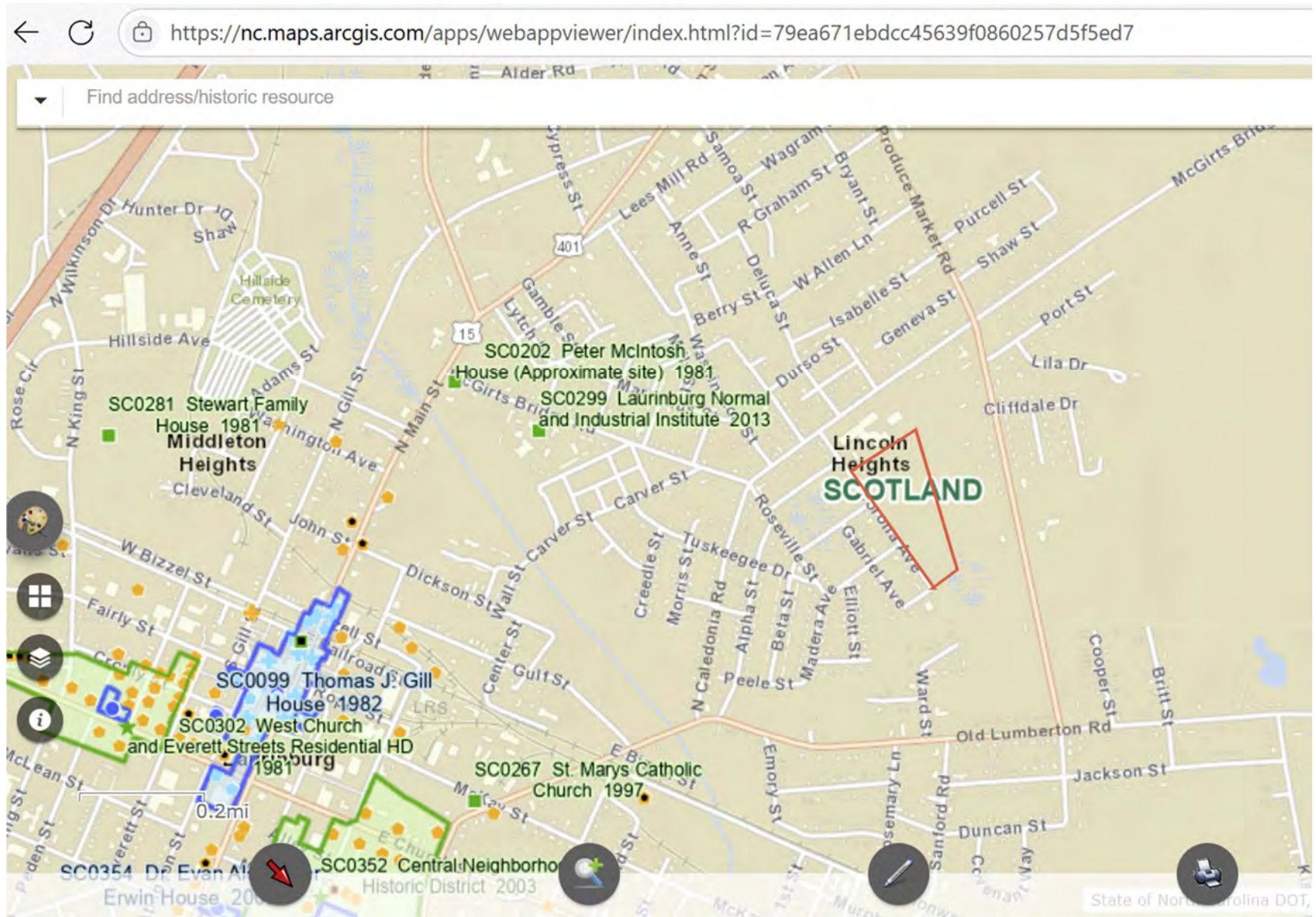
May 23, 2025

- Project Buffer
- I. Ellis Johnson
- National Register of Historic Places



Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, (c) OpenStreetMap contributors, and the GIS User Community, Maxar, EPA OEI, OFA

I. Ellis Johnson – NC HPOWEB Map



Section 106 ATTACHMENT 3:

Subject Property Photographs





North Carolina Department of Public Safety

Office of Recovery and Resiliency

Josh Stein, Governor

Eddie M. Buffalo, Jr., Secretary

Pryor Gibson, Interim Director

June 4, 2025

Dr. Wenonah George Haire
ATTN: THPO
Catawba Indian Nation
1536 Tom Steven Road
Rock Hill, SC 29730

RE: Section 106 Review - HUD CDBG-MIT Program
Proposed I. Ellis Johnson Multi-Family Housing
Corona Avenue, Laurinburg, NC 28352

Dear Dr. Wenonah George Haire:

The North Carolina Office of Recovery and Resiliency (NCORR), as a recipient of Community Development Block Grant – Mitigation (CDBG-MIT) funds from the United States Department of Housing and Urban Development (HUD), is serving as the responsible entity for compliance with the HUD environmental review procedures set forth in 24 CFR Part 58. NCORR is acting on behalf of HUD in providing the enclosed project information and inviting this discussion with your Nation.

NCORR processes environmental reviews for proposed projects funded with HUD CDBG-MIT on a case-by-case basis. In accordance with Section 101(d)(6)(B) of the National Historic Preservation Act (NHPA) of 1966, as amended (16 U.S.C. 470f), and its implementing regulations, 36 CFR Part 800, this letter serves as notification of the proposed action. This letter also serves as an invitation to discussion as a consulting party in this review to help identify historic properties in the proposed project area that may have religious and cultural significance to your Nation, and if such properties exist, to help assess how the proposed project might affect them. If the proposed project might have an adverse effect, we would like to discuss possible ways to avoid, minimize or mitigate potential adverse effects.

Mailing Address:
Post Office Box 110465
Durham, NC 27709



Phone: (984) 833-5350
www.ncdps.gov
www.rebuild.nc.gov

An Equal Opportunity Employer

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NCORR - Environmental
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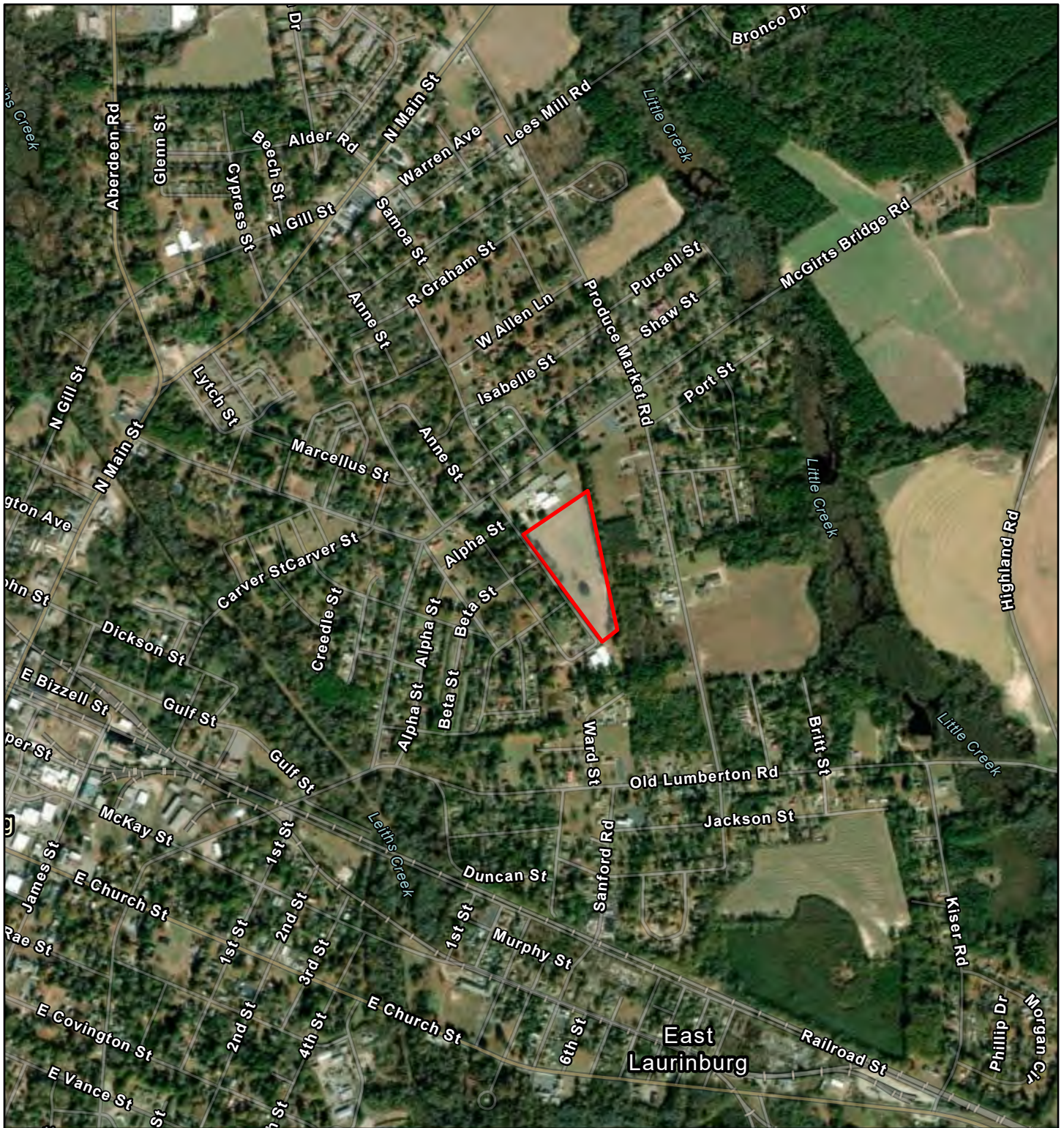
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cc: Chief Brian Harris, Catawba Indian Nation, 996 Avenue of the Nations, Rock Hill, SC 29730

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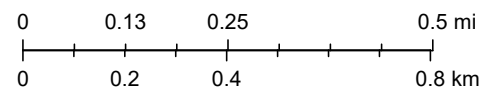


June 2, 2025



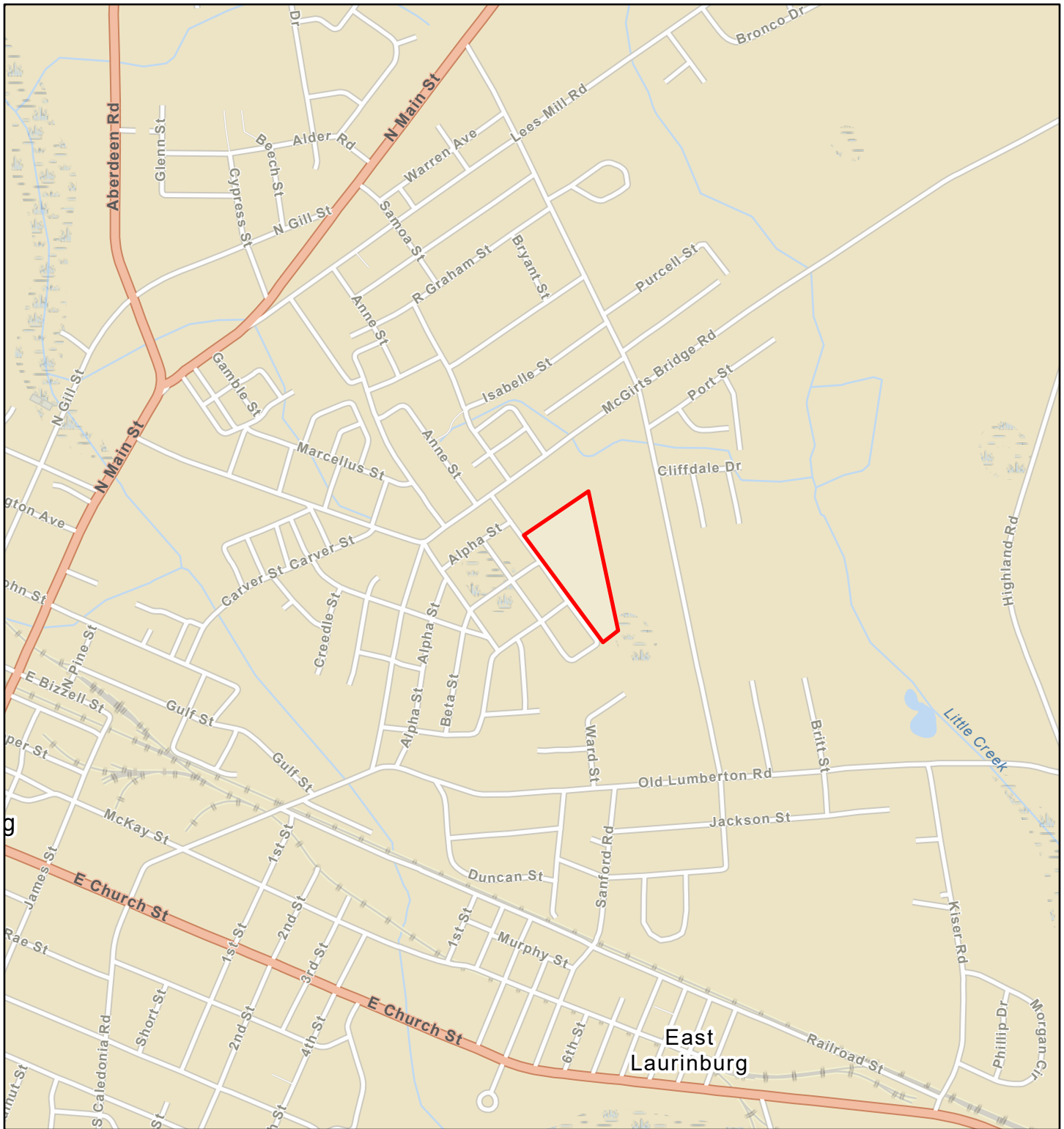
I. Ellis Johnson

1:18,056



Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, (c) OpenStreetMap contributors, and the GIS User Community, Maxar

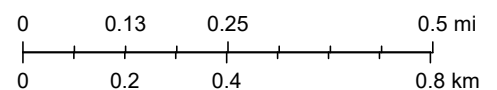
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June 2, 2025

 I. Ellis Johnson

1:18,056



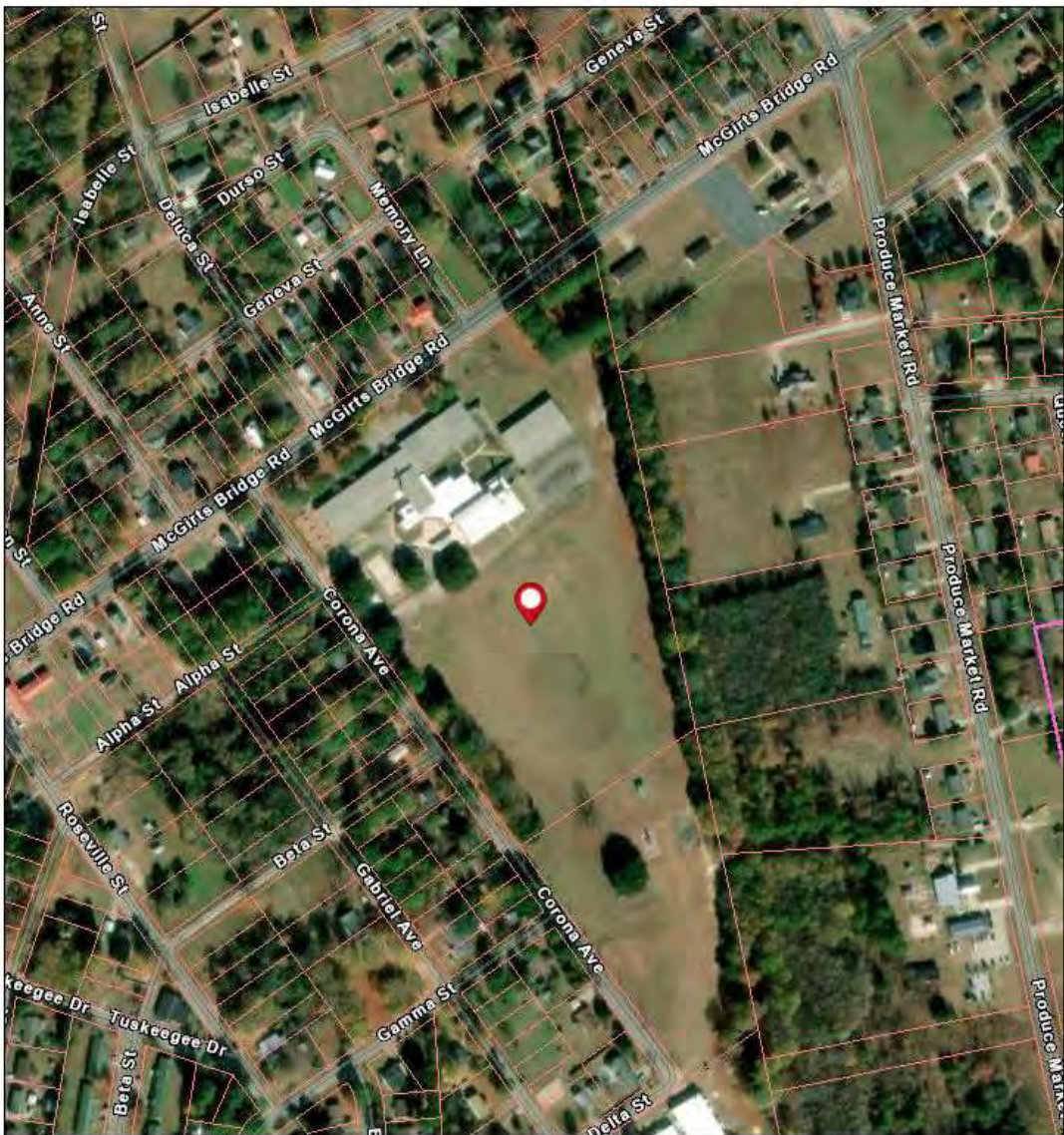
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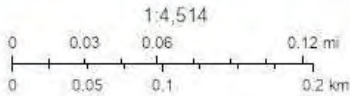
Parcel Report - 15.05-acre Parcel PIN 01008001002

Area of Interest (AOI) Information

Jun 3 2025 15:08:57 Central Daylight Time



- Parcels
- City Limits
- Extraterritorial Jurisdictions



Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, (c) OpenStreetMap contributors, and the GIS User Community. Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

Parcels

#	Name	Address1	Address2	Address3	City
1	SCOTLAND COUNTY BOARD OF	EDUCATION	No Data	322 S MAIN ST	LAURINBURG

#	State	ZipCode	PropertyAd	AccountNum	PINID
1	NC	283523834	815 MCGIRTS BRIDGE RD	7072011.000000	01008001002

#	AssessedVa	BuildingVa	CountyTaxC	DeedBook	DeedDate
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Zoning Codes in Laurinburg

#	Zoning Code	Area(acres)
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City Limits

#	City Name	Area(acres)
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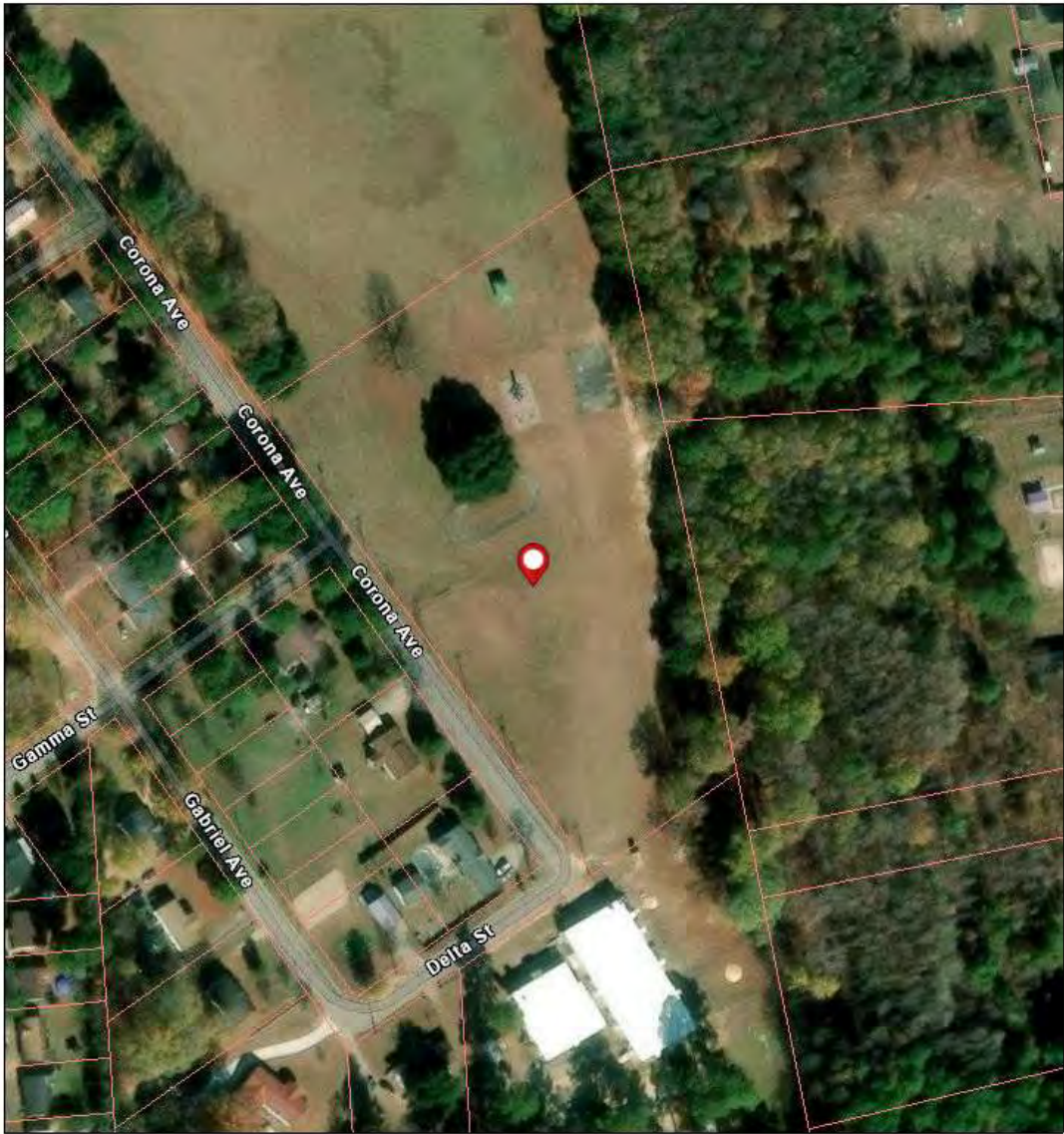
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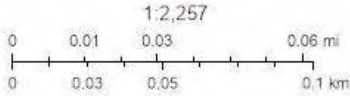
Parcel Report - 4.69-acre Parcel PIN 0100800100201

Area of Interest (AOI) Information

Jun 3 2025 15:05:11 Central Daylight Time



- Parcels
- City Limits
- Extraterritorial Jurisdictions



Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, (c) OpenStreetMap contributors, and the GIS User Community. Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

Parcels

#	Name	Address1	Address2	Address3	City
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#	State	ZipCode	PropertyAd	AccountNum	PINID
1	NC	283530488	CORONA AV	7071006.000000	0100800100201
#	AssessedVa	BuildingVa	CountyTaxC	DeedBook	DeedDate
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#	DeedPage	DeedStamps	ExemptionC	FireTaxCod	LegalDescr
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#	MarketLand	MarketValu	ObxfValue	Area(acres)	
1	47,700	47,700	0	N/A	

Zoning Codes in Laurinburg

#	Zoning Code	Area(acres)
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City Limits

#	City Name	Area(acres)
1	Laurinburg	N/A

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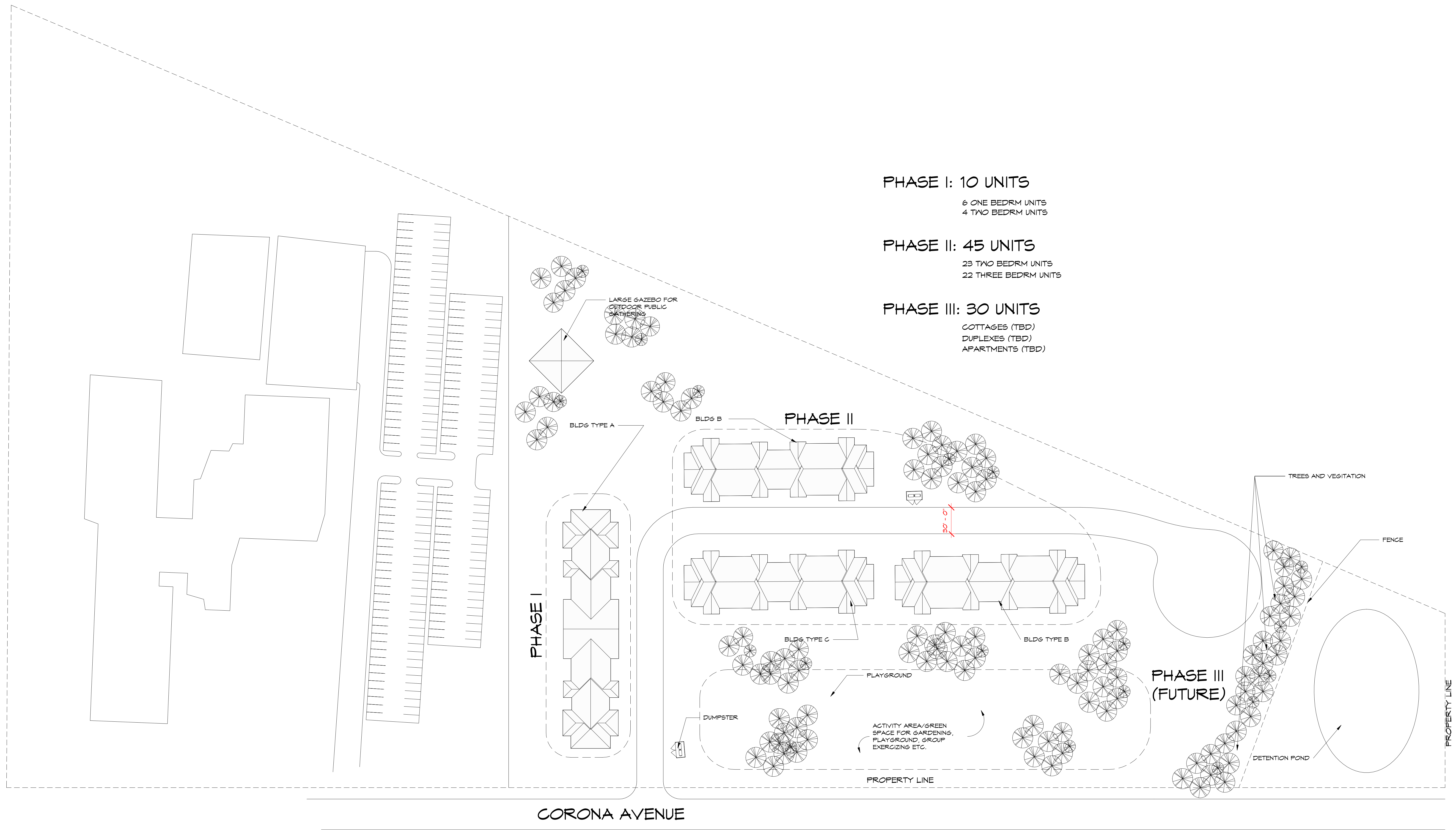
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WINSLOW ARCHITECT.

[illegible]

PROJ. NO:	23.002
DATE:	08/23/2023
DRAWN BY:	LRW
Checked by:	Checker

SITE PLAN

**LAURINBURG LOW INCOME
HOUSING MASTER PLAN**
LAURINBURG, NC

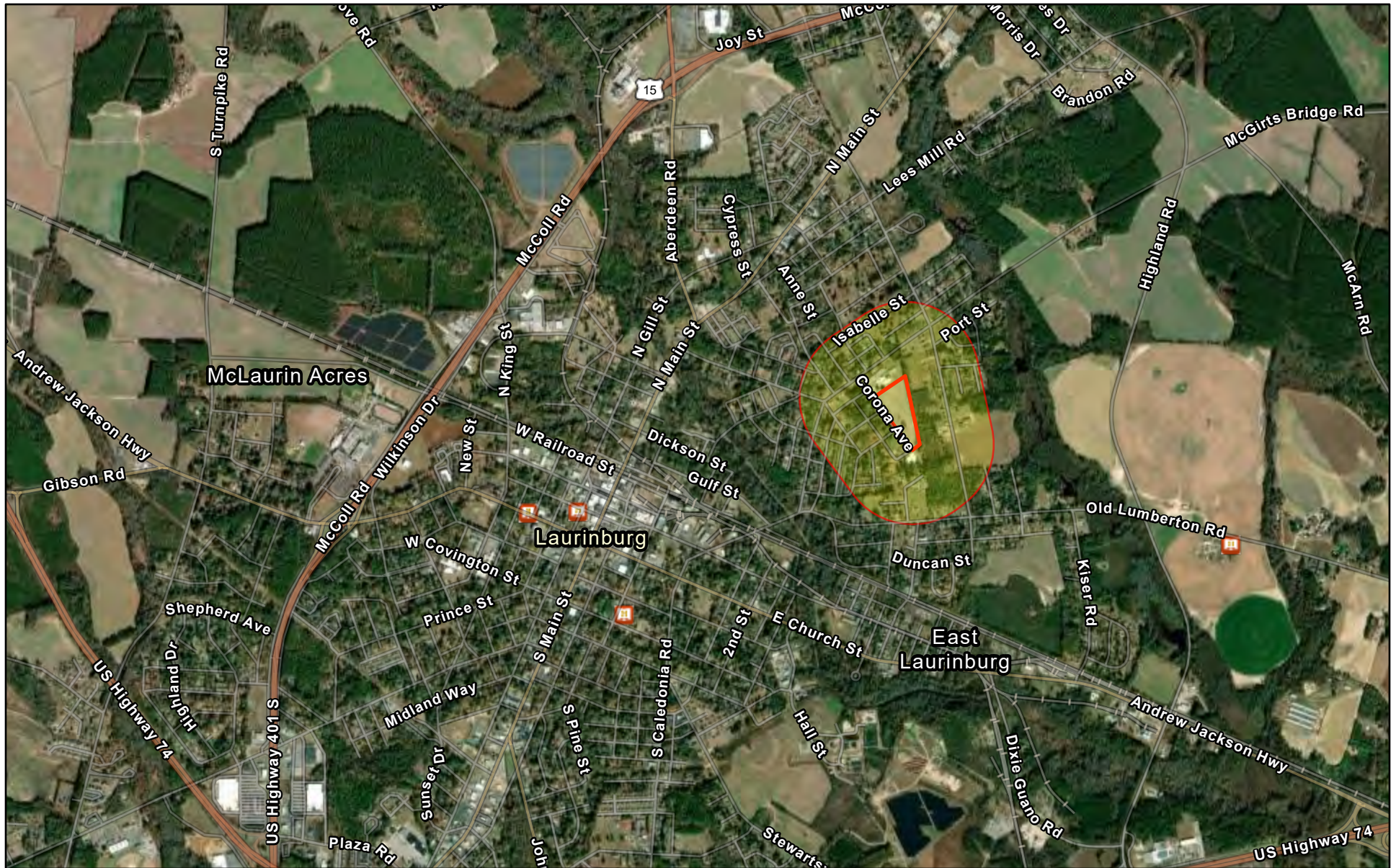


1 Site
1" = 50'-0"




Section 106 ATTACHMENT 2:

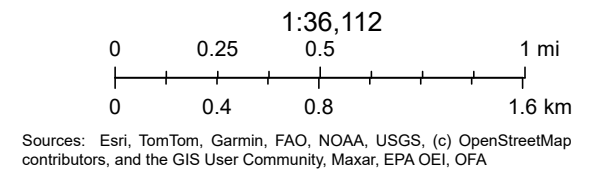
**Proposed Project NRHP and
NC HPOWEB Maps**

I. Ellis Johnson - NRHP Map with 0.25-mile Buffer

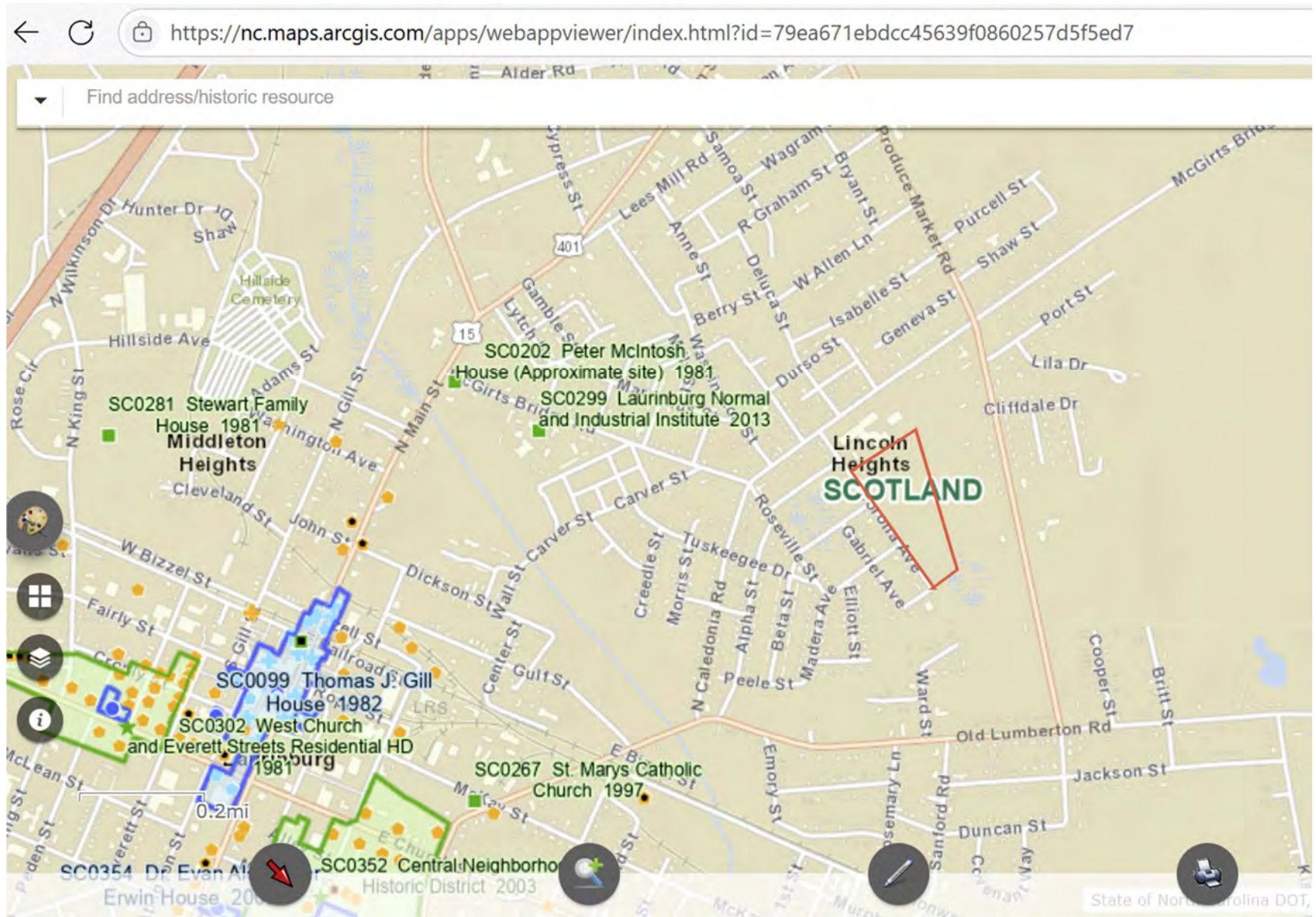


May 23, 2025

-  Project Buffer
-  National Register of Historic Places
-  I. Ellis Johnson



I. Ellis Johnson – NC HPOWEB Map



Section 106 ATTACHMENT 3:

Subject Property Photographs



1 From Please print and press hard.
 Date 6/4/25 Sender's FedEx Account Number 8950-9899-0
 Sender's Name Andrea Gievers Phone 845,682-1700
 Company NCORR
 Address 3237 182nd LN NE Dept./Floor/Suite/Room
 City East Bethel State MN ZIP 55092

2 Your Internal Billing Reference First 24 characters will appear on invoice. I. Ellis Johnson

3 To Recipient's Name Chief Brian Harris Phone
 Company Catawba Indian Nation
 Address 996 Avenue of the Nations Dept./Floor/Suite/Room
 We cannot deliver to P.O. boxes or P.O. ZIP codes.
 Address
 Use this line for the HOLD location address or for continuation of your shipping address.
 City Rock Hill State SC ZIP 29730



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☐ FedEx Standard Overnight

2 or 3 Business Days
☐ FedEx 2Day A.M.
☒ FedEx 2Day
☐ FedEx Express Saver

5 Packaging *Declared value limit \$500.
☐ FedEx Envelope* ☐ FedEx Pak* ☐ FedEx Box ☐ FedEx Tube ☐ Other

6 Special Handling and Delivery Signature Options Fees may apply. See the FedEx Service Guide.
☐ Saturday Delivery
☐ No Signature Required
☐ Direct Signature
☐ Indirect Signature
 Does this shipment contain dangerous goods?
☐ No ☐ Yes ☐ Yes ☐ Dry Ice
 As per attached Shipper's Declaration Shipper's Declaration not required. Dry Ice, 9 UN 1845 x kg
 Restrictions apply for dangerous goods — see the current FedEx Service Guide. ☐ Cargo Aircraft Only

7 Payment Bill to: Enter FedEx Acct. No. below.
☐ Sender Acct. No. in Section 1 will be billed. ☐ Recipient ☐ Third Party
 FedEx Acct. No.
 Total Packages Total Weight Total Declared Value*
 lbs. \$.00
 *Our liability is limited to US\$100 unless you declare a higher value. See back for details. By using this airbill you agree to the service conditions on the back of this airbill and in the current FedEx Service Guide, including terms that limit our liability.
 Rev. Date 3/21 • Part #167002 • ©2012–2021 FedEx • PRINTED IN U.S.A. **644**

1 From Please print and press hard.
 Date 6/4/25 Sender's FedEx Account Number 8950-9899-0
 Sender's Name Andrea Gievers Phone 845,682-1700
 Company NCORR
 Address 3237 182nd LN NE Dept./Floor/Suite/Room
 City East Bethel State MN ZIP 55092

2 Your Internal Billing Reference First 24 characters will appear on invoice. I. Ellis Johnson

3 To Recipient's Name Dr. Wenonah George Haire Phone THRO
 Company Catawba Indian Nation
 Address 1536 Tom Steven Road Dept./Floor/Suite/Room
 We cannot deliver to P.O. boxes or P.O. ZIP codes.
 Address
 Use this line for the HOLD location address or for continuation of your shipping address.
 City Rock Hill State SC ZIP 29730



Ship it. Track it. Pay for it. All online.
 Go to fedex.com.

4 Express Package Service *To most locations. Packages up to 150 lbs. For packages over 150 lbs., use the FedEx Express Freight US Airbill.

Next Business Day
☐ FedEx First Overnight
☐ FedEx Priority Overnight
☐ FedEx Standard Overnight

2 or 3 Business Days
☐ FedEx 2Day A.M.
☒ FedEx 2Day
☐ FedEx Express Saver

5 Packaging *Declared value limit \$500.
☐ FedEx Envelope* ☐ FedEx Pak* ☐ FedEx Box ☐ FedEx Tube ☐ Other

6 Special Handling and Delivery Signature Options Fees may apply. See the FedEx Service Guide.
☐ Saturday Delivery
☐ No Signature Required
☐ Direct Signature
☐ Indirect Signature
 Does this shipment contain dangerous goods?
☐ No ☐ Yes ☐ Yes ☐ Dry Ice
 As per attached Shipper's Declaration Shipper's Declaration not required. Dry Ice, 9 UN 1845 x kg
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☐ Sender Acct. No. in Section 1 will be billed. ☐ Recipient ☐ Third Party
 FedEx Acct. No.
 Total Packages Total Weight Total Declared Value*
 lbs. \$.00
 *Our liability is limited to US\$100 unless you declare a higher value. See back for details. By using this airbill you agree to the service conditions on the back of this airbill and in the current FedEx Service Guide, including terms that limit our liability.
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North Carolina Department of Public Safety

Office of Recovery and Resiliency

Josh Stein, Governor
Eddie M. Buffaloe, Jr., Secretary

Pryor Gibson, Director

June 12, 2025

Chairman John L. Lowery
Lumbee Tribe of North Carolina
P.O. Box 2709
Pembroke, NC 28372

RE: NCORR - HUD CDBG-MIT Program
Proposed I. Ellis Johnson Multi-Family Housing
Corona Avenue, Laurinburg, NC 28352

Dear Chairman Lowery:

The North Carolina Office of Recovery and Resiliency (NCORR) is notifying you as a representative of the Lumbee Tribe of North Carolina that an affordable housing project is proposed within a potential area of interest to your Tribe. NCORR as a recipient of Community Development Block Grant – Mitigation (CDBG-MIT) funds from the United States Department of Housing and Urban Development (HUD) is considering funding this proposed project, I. Ellis Johnson Multi-Family Housing, located on approximately 11.49 acres on Corona Avenue in Laurinburg, Scotland County, NC 28352. The Subject Property will consist of 6.8 acres subdivided from the original 15.05-acre parent parcel identified as City of Laurinburg Parcel PIN 01008001002 combined with the adjoining 4.69-acre, Parcel PIN 0100800100201. The State of North Carolina was adversely impacted by the landfall of Hurricanes Matthew (October 8, 2016) and Florence (September 14, 2018). These hurricanes damaged or destroyed hundreds of homes worsening the affordable housing shortage. This proposed project will increase affordable housing inventory for low- and middle-income families. Therefore, funding for the proposed project will be provided in part by NCORR's Affordable Housing Development Fund Program for storm recovery activities in North Carolina.

Mailing Address:
Post Office Box 110465
Durham, NC 27709



An Equal Opportunity Employer

Phone: (984) 833-5350
www.ncdps.gov
www.rebuild.nc.gov

I. Ellis Johnson Multi-Family Housing involves new construction of a 55-unit multi-family, affordable housing apartment complex with a gazebo, playground, open green space, paved parking areas, retention pond, landscaping, and associated infrastructure. Phase One consists of a 10-unit one-story apartment building with a mix of six (6) one-bedroom units and four (4) two-bedroom units targeting homeless populations. Phase Two consists of 45 units in two (2) two-story apartment buildings with a mix of twenty-three (23) two-bedroom units, and twenty-two (22) three-bedroom units likely targeting households at or below 50% or 80% AMI. The proposed development will help fulfill the affordable housing needs of the community.

The Subject Property is located behind the I. Ellis Johnson Community Center (former school) which offers senior programs, activities, open gym, etc. according to the County Manager. The Subject Property was used as an agricultural field between 1938 to 1957. Since that time, the Subject Property has been a mostly cleared, regularly mowed lawn and recreational area. There are three paved access drives along Corona Avenue and one paved access drive along McGirts Bridge Road that serve the former school as well as the playground/recreational area on the Subject Property. Development of the surrounding area has increased over time with residential, commercial, and municipal uses. The proposed development will be a multi-family apartment complex and, therefore, typical clearing and grading will take place on the Subject Property during construction.

The proposed project is under review by the NC State Historic Preservation Office (SHPO) and the Catawba Indian Nation. We wanted to notify you directly on this proposed project.

We appreciate the support the Lumbee Tribe has provided to the efforts of ReBuild NC and look forward to a continued productive relationship as we assist North Carolinians.

Respectfully,

Signed by:

Pryor Gibson

B6E44736669F4A9...

Pryor Gibson

ATTACHMENT 13:

Noise Abatement and Control

DNL Calculator Total Current, DNL Calculator Total Projection 2045, Roads Within 1,000-foot Radius Map, NCDOT AADT Map, NCDOT AADT Station Report Current for McGirts Bridge Road (SR 1433) & Produce Market Road (SR 1439), NCDOT AADT Station Report Projection 2045 for McGirts Bridge Road (SR 1433) & Produce Market Road (SR 1439), Road Speed Limits, Distance to Roads Maps, Railroads Within 3,000-foot Radius Map, Distance to Railroad, U.S. DOT Crossing Inventory Form, Airports Within 15-Mile Radius Map, MEB Airport Worksheet, and MEB ASPM Record

Day/Night Noise Level (DNL) Calculator

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Guidelines

- To display the Road and/or Rail DNL calculator(s), click on the "Add Road Source" and/or "Add Rail Source" button(s) below.
- All Road and Rail input values must be positive non-decimal numbers.
- All Road and/or Rail DNL value(s) must be calculated separately before calculating the Site DNL.
- All checkboxes that apply must be checked for vehicles and trains in the tables' headers.
- **Note #1:** Tooltips, containing field specific information, have been added in this tool and may be accessed by hovering over all the respective data fields (site identification, roadway and railway assessment, DNL calculation results, roadway and railway input variables) with the mouse.
- **Note #2:** DNL Calculator assumes roadway data is always entered.

DNL Calculator

Site ID

I. Ellis Johnson

Record Date

05/02/2025

User's Name

Andrea Gievers

Road # 1 Name:

McGirts Bridge Road (SR 1433) NAL 1 (2023)

Road #1

Vehicle Type

Cars ☒

Medium Trucks ☐

Heavy Trucks ☒

Effective Distance

612

612

Distance to Stop Sign

Average Speed

35

35

Average Daily Trips (ADT)

1653

247

Night Fraction of ADT

15

15

Road Gradient (%)

2

Vehicle DNL

40

0

52

Calculate Road #1 DNL

52

Reset

Road # 2 Name:

Produce Market Road (SR 1439) NAL 1 (2023)

Road #2

Vehicle Type

Cars ☒

Medium Trucks ☐

Heavy Trucks ☒

Effective Distance	933		933
Distance to Stop Sign			
Average Speed	35		35
Average Daily Trips (ADT)	1392		208
Night Fraction of ADT	15		15
Road Gradient (%)			2
Vehicle DNL	36	0	48
Calculate Road #2 DNL	49	Reset	

Railroad #1 Track Identifier:

630929C

Rail # 1

Train Type	Electric <input type="checkbox"/>	Diesel <input checked="" type="checkbox"/>
Effective Distance		2952
Average Train Speed		49
Engines per Train		2
Railway cars per Train		50
Average Train Operations (ATO)		11
Night Fraction of ATO		15
Railway whistles or horns?	Yes: <input type="checkbox"/> No: <input type="checkbox"/>	Yes: <input checked="" type="checkbox"/> No: <input type="checkbox"/>
Bolted Tracks?	Yes: <input type="checkbox"/> No: <input type="checkbox"/>	Yes: <input checked="" type="checkbox"/> No: <input type="checkbox"/>
Train DNI	0	50

From Site	~	00
Calculate Rail #1 DNL	50	Reset
Add Road Source	Add Rail Source	
Airport Noise Level	0	
Loud Impulse Sounds?	<input type="radio"/> Yes <input checked="" type="radio"/> No	
Combined DNL for all Road and Rail sources	55	
Combined DNL including Airport	N/A	
Site DNL with Loud Impulse Sound		
Calculate	Reset	

Mitigation Options

If your site DNL is in Excess of 65 decibels, your options are:

- **No Action Alternative:** Cancel the project at this location
- **Other Reasonable Alternatives:** Choose an alternate site
- **Mitigation**
 - **Contact your Field or Regional Environmental Officer** (/programs/environmental-review/hud-environmental-staff-contacts/)
 - Increase mitigation in the building walls (only effective if no outdoor, noise sensitive areas)
 - Reconfigure the site plan to increase the distance between the noise source and noise-sensitive uses
 - Incorporate natural or man-made barriers. See *The Noise Guidebook* (/resource/313/hud-noise-guidebook/)
 - Construct noise barrier. See the **Barrier Performance Module** (/programs/environmental-review/bpm-calculator/)

Tools and Guidance

Day/Night Noise Level Assessment Tool User Guide (/resource/3822/day-night-noise-level-assessment-tool-user-guide/)

Day/Night Noise Level Assessment Tool Flowcharts (/resource/3823/day-night-noise-level-assessment-tool-flowcharts/)

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Guidelines

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- All Road and Rail input values must be positive non-decimal numbers.
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- **Note #1:** Tooltips, containing field specific information, have been added in this tool and may be accessed by hovering over all the respective data fields (site identification, roadway and railway assessment, DNL calculation results, roadway and railway input variables) with the mouse.
- **Note #2:** DNL Calculator assumes roadway data is always entered.

DNL Calculator

Site ID

I. Ellis Johnson

Record Date

05/02/2025

User's Name

Andrea Gievers

Road # 1 Name:

McGirts Bridge Road (SR 1433) NAL 2 (2023)

Road #1

Vehicle Type

Cars ☒

Medium Trucks ☐

Heavy Trucks ☒

Effective Distance

580

580

Distance to Stop Sign

Average Speed

35

35

Average Daily Trips (ADT)

1653

247

Night Fraction of ADT

15

15

Road Gradient (%)

2

Vehicle DNL

40

0

52

Calculate Road #1 DNL

53

Reset

Road # 2 Name:

Produce Market Road (SR 1439) NAL 2 (2023)

Road #2

Vehicle Type

Cars ☒

Medium Trucks ☐

Heavy Trucks ☒

Effective Distance	<input type="text" value="790"/>	<input type="text"/>	<input type="text" value="790"/>
Distance to Stop Sign	<input type="text"/>	<input type="text"/>	<input type="text"/>
Average Speed	<input type="text" value="35"/>	<input type="text"/>	<input type="text" value="35"/>
Average Daily Trips (ADT)	<input type="text" value="1392"/>	<input type="text"/>	<input type="text" value="208"/>
Night Fraction of ADT	<input type="text" value="15"/>	<input type="text"/>	<input type="text" value="15"/>
Road Gradient (%)	<input type="text"/>	<input type="text"/>	<input type="text" value="2"/>
Vehicle DNL	<input type="text" value="37"/>	<input type="text" value="0"/>	<input type="text" value="49"/>
<div>Calculate Road #2 DNL</div>	<input type="text" value="50"/>	<div>Reset</div>	

Railroad #1 Track Identifier:	<input type="text" value="630929C"/>
--------------------------------------	--------------------------------------

Rail # 1

Train Type	Electric <input type="checkbox"/>	Diesel <input checked="" type="checkbox"/>
Effective Distance	<input type="text"/>	<input type="text" value="2952"/>
Average Train Speed	<input type="text"/>	<input type="text" value="49"/>
Engines per Train	<input type="text"/>	<input type="text" value="2"/>
Railway cars per Train	<input type="text"/>	<input type="text" value="50"/>
Average Train Operations (ATO)	<input type="text"/>	<input type="text" value="11"/>
Night Fraction of ATO	<input type="text"/>	<input type="text" value="15"/>
Railway whistles or horns?	Yes: <input type="checkbox"/> No: <input type="checkbox"/>	Yes: <input checked="" type="checkbox"/> No: <input type="checkbox"/>
Bolted Tracks?	Yes: <input type="checkbox"/> No: <input type="checkbox"/>	Yes: <input checked="" type="checkbox"/> No: <input type="checkbox"/>
Train DNI	<input type="text" value="0"/>	<input type="text" value="50"/>

From Site	~	00
Calculate Rail #1 DNL	50	Reset
Add Road Source	Add Rail Source	
Airport Noise Level	0	
Loud Impulse Sounds?	<input type="radio"/> Yes <input checked="" type="radio"/> No	
<div>Click on this button to determine the Day-Night Noise Level (DNL) for the site being assessed in units of decibel (dB).</div>		
Combined DNL for all Road and Rail sources	56	
Combined DNL including Airport	N/A	
Site DNL with Loud Impulse Sound		
Calculate	Reset	

Mitigation Options

If your site DNL is in Excess of 65 decibels, your options are:

- **No Action Alternative:** Cancel the project at this location
- **Other Reasonable Alternatives:** Choose an alternate site
- **Mitigation**
 - **Contact your Field or Regional Environmental Officer** (/programs/environmental-review/hud-environmental-staff-contacts/)
 - Increase mitigation in the building walls (only effective if no outdoor, noise sensitive areas)
 - Reconfigure the site plan to increase the distance between the noise source and noise-sensitive uses
 - Incorporate natural or man-made barriers. See *The Noise Guidebook* (/resource/313/hud-noise-guidebook/)
 - Construct noise barrier. See the **Barrier Performance Module** (/programs/environmental-review/bpm-calculator/)

Tools and Guidance

Day/Night Noise Level Assessment Tool User Guide (/resource/3822/day-night-noise-level-assessment-tool-user-guide/)

Day/Night Noise Level Assessment Tool Flowcharts (/resource/3823/day-night-noise-level-assessment-tool-flowcharts/)

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Guidelines

- To display the Road and/or Rail DNL calculator(s), click on the "Add Road Source" and/or "Add Rail Source" button(s) below.
- All Road and Rail input values must be positive non-decimal numbers.
- All Road and/or Rail DNL value(s) must be calculated separately before calculating the Site DNL.
- All checkboxes that apply must be checked for vehicles and trains in the tables' headers.
- **Note #1:** Tooltips, containing field specific information, have been added in this tool and may be accessed by hovering over all the respective data fields (site identification, roadway and railway assessment, DNL calculation results, roadway and railway input variables) with the mouse.
- **Note #2:** DNL Calculator assumes roadway data is always entered.

DNL Calculator

Site ID

I. Ellis Johnson

Record Date

05/02/2025

User's Name

Andrea Gievers

Road # 1 Name:

McGirts Bridge Road (SR 1433) NAL 3 (2023)

Road #1

Vehicle Type

Cars ☒

Medium Trucks ☐

Heavy Trucks ☒

Effective Distance

787

787

Distance to Stop Sign

Average Speed

35

35

Average Daily Trips (ADT)

1653

247

Night Fraction of ADT

15

15

Road Gradient (%)

2

Vehicle DNL

38

0

50

Calculate Road #1 DNL

51

Reset

Road # 2 Name:

Produce Market Road (SR 1439) NAL 3 (2023)

Road #2

Vehicle Type

Cars ☒

Medium Trucks ☐

Heavy Trucks ☒

Effective Distance	<input type="text" value="782"/>	<input type="text"/>	<input type="text" value="782"/>
Distance to Stop Sign	<input type="text"/>	<input type="text"/>	<input type="text"/>
Average Speed	<input type="text" value="35"/>	<input type="text"/>	<input type="text" value="35"/>
Average Daily Trips (ADT)	<input type="text" value="1392"/>	<input type="text"/>	<input type="text" value="208"/>
Night Fraction of ADT	<input type="text" value="15"/>	<input type="text"/>	<input type="text" value="15"/>
Road Gradient (%)	<input type="text"/>	<input type="text"/>	<input type="text" value="2"/>
Vehicle DNL	<input type="text" value="37"/>	<input type="text" value="0"/>	<input type="text" value="50"/>
<div>Calculate Road #2 DNL</div>	<input type="text" value="50"/>	<div>Reset</div>	

Railroad #1 Track Identifier:

630929C

Rail # 1

Train Type	Electric <input type="checkbox"/>	Diesel <input checked="" type="checkbox"/>
Effective Distance	<input type="text"/>	<input type="text" value="2952"/>
Average Train Speed	<input type="text"/>	<input type="text" value="49"/>
Engines per Train	<input type="text"/>	<input type="text" value="2"/>
Railway cars per Train	<input type="text"/>	<input type="text" value="50"/>
Average Train Operations (ATO)	<input type="text"/>	<input type="text" value="11"/>
Night Fraction of ATO	<input type="text"/>	<input type="text" value="15"/>
Railway whistles or horns?	Yes: <input type="checkbox"/> No: <input type="checkbox"/>	Yes: <input checked="" type="checkbox"/> No: <input type="checkbox"/>
Bolted Tracks?	Yes: <input type="checkbox"/> No: <input type="checkbox"/>	Yes: <input checked="" type="checkbox"/> No: <input type="checkbox"/>
Train DNI	<input type="text" value="0"/>	<input type="text" value="50"/>

Train Site	~	00
Calculate Rail #1 DNL	50	Reset
Add Road Source	Add Rail Source	
Airport Noise Level	0	
Loud Impulse Sounds?	<input type="radio"/> Yes <input checked="" type="radio"/> No	
	Click on this button to determine the Day-Night Noise Level (DNL) for the site being assessed in units of decibel (dB).	
Combined DNL for all Road and Rail sources	55	
Combined DNL including Airport	N/A	
Site DNL with Loud Impulse Sound		
Calculate	Reset	

Mitigation Options

If your site DNL is in Excess of 65 decibels, your options are:

- **No Action Alternative:** Cancel the project at this location
- **Other Reasonable Alternatives:** Choose an alternate site
- **Mitigation**
 - **Contact your Field or Regional Environmental Officer** (/programs/environmental-review/hud-environmental-staff-contacts/)
 - Increase mitigation in the building walls (only effective if no outdoor, noise sensitive areas)
 - Reconfigure the site plan to increase the distance between the noise source and noise-sensitive uses
 - Incorporate natural or man-made barriers. See *The Noise Guidebook* (/resource/313/hud-noise-guidebook/)
 - Construct noise barrier. See the **Barrier Performance Module** (/programs/environmental-review/bpm-calculator/)

Tools and Guidance

Day/Night Noise Level Assessment Tool User Guide (/resource/3822/day-night-noise-level-assessment-tool-user-guide/)

Day/Night Noise Level Assessment Tool Flowcharts (/resource/3823/day-night-noise-level-assessment-tool-flowcharts/)

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- **Note #1:** Tooltips, containing field specific information, have been added in this tool and may be accessed by hovering over all the respective data fields (site identification, roadway and railway assessment, DNL calculation results, roadway and railway input variables) with the mouse.
- **Note #2:** DNL Calculator assumes roadway data is always entered.

DNL Calculator

Site ID	I. Ellis Johnson
Record Date	05/02/2025
User's Name	Andrea Gievers

Road # 1 Name:	McGirts Bridge Road (SR 1433) NAL 1 (2045)
----------------	--------------------------------------------

Road #1

Vehicle Type	Cars <input checked="" type="checkbox"/>	Medium Trucks <input type="checkbox"/>	Heavy Trucks <input checked="" type="checkbox"/>
Effective Distance	612		612
Distance to Stop Sign			
Average Speed	35		35
Average Daily Trips (ADT)	1489		223
Night Fraction of ADT	15		15
Road Gradient (%)			2
Vehicle DNL	39	0	51
Calculate Road #1 DNL	52	Reset	

Road # 2 Name:	Produce Market Road (SR 1439) NAL 1 (2045)
----------------	--------------------------------------------

Road #2

Vehicle Type	Cars <input checked="" type="checkbox"/>	Medium Trucks <input type="checkbox"/>	Heavy Trucks <input checked="" type="checkbox"/>
--------------	------------------------------------------	----------------------------------------	--------------------------------------------------

Effective Distance	933		933
Distance to Stop Sign			
Average Speed	35		35
Average Daily Trips (ADT)	812		121
Night Fraction of ADT	15		15
Road Gradient (%)			2
Vehicle DNL	34	0	46
Calculate Road #2 DNL	46	Reset	

Railroad #1 Track Identifier:	630929C
-------------------------------	---------

Rail # 1

Train Type	Electric <input type="checkbox"/>	Diesel <input checked="" type="checkbox"/>
Effective Distance		2952
Average Train Speed		49
Engines per Train		2
Railway cars per Train		50
Average Train Operations (ATO)		11
Night Fraction of ATO		15
Railway whistles or horns?	Yes: <input type="checkbox"/> No: <input type="checkbox"/>	Yes: <input checked="" type="checkbox"/> No: <input type="checkbox"/>
Bolted Tracks?	Yes: <input type="checkbox"/> No: <input type="checkbox"/>	Yes: <input checked="" type="checkbox"/> No: <input type="checkbox"/>
Train DNI	0	50

From Site	~	00
Calculate Rail #1 DNL	50	Reset
Add Road Source	Add Rail Source	
Airport Noise Level	0	
Loud Impulse Sounds?	<input type="radio"/> Yes <input checked="" type="radio"/> No	
Combined DNL for all Road and Rail sources	55	
Combined DNL including Airport	N/A	
Site DNL with Loud Impulse Sound		
Calculate	Reset	

Mitigation Options

If your site DNL is in Excess of 65 decibels, your options are:

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- **Mitigation**
 - **Contact your Field or Regional Environmental Officer** (/programs/environmental-review/hud-environmental-staff-contacts/)
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- **Note #2:** DNL Calculator assumes roadway data is always entered.

DNL Calculator

Site ID	I. Ellis Johnson
Record Date	05/02/2025
User's Name	Andrea Gievers

Road # 1 Name:	McGirts Bridge Road (SR 1433) NAL 2 (2045)
----------------	--------------------------------------------

Road #1

Vehicle Type	Cars <input checked="" type="checkbox"/>	Medium Trucks <input type="checkbox"/>	Heavy Trucks <input checked="" type="checkbox"/>
Effective Distance	580		580
Distance to Stop Sign			
Average Speed	35		35
Average Daily Trips (ADT)	1489		223
Night Fraction of ADT	15		15
Road Gradient (%)			2
Vehicle DNL	40	0	52
Calculate Road #1 DNL	52	Reset	

Road # 2 Name:	Produce Market Road (SR 1439) NAL 2 (2045)
----------------	--------------------------------------------

Road #2

Vehicle Type	Cars <input checked="" type="checkbox"/>	Medium Trucks <input type="checkbox"/>	Heavy Trucks <input checked="" type="checkbox"/>
--------------	------------------------------------------	----------------------------------------	--------------------------------------------------

Effective Distance	<input type="text" value="790"/>	<input type="text"/>	<input type="text" value="790"/>
Distance to Stop Sign	<input type="text"/>	<input type="text"/>	<input type="text"/>
Average Speed	<input type="text" value="35"/>	<input type="text"/>	<input type="text" value="35"/>
Average Daily Trips (ADT)	<input type="text" value="812"/>	<input type="text"/>	<input type="text" value="121"/>
Night Fraction of ADT	<input type="text" value="15"/>	<input type="text"/>	<input type="text" value="15"/>
Road Gradient (%)	<input type="text"/>	<input type="text"/>	<input type="text" value="2"/>
Vehicle DNL	<input type="text" value="35"/>	<input type="text" value="0"/>	<input type="text" value="47"/>
<div>Calculate Road #2 DNL</div>	<input type="text" value="47"/>	<div>Reset</div>	

Railroad #1 Track Identifier:	<input type="text" value="630929C"/>
--------------------------------------	--------------------------------------

Rail # 1

Train Type	Electric <input type="checkbox"/>	Diesel <input checked="" type="checkbox"/>
Effective Distance	<input type="text"/>	<input type="text" value="2952"/>
Average Train Speed	<input type="text"/>	<input type="text" value="49"/>
Engines per Train	<input type="text"/>	<input type="text" value="2"/>
Railway cars per Train	<input type="text"/>	<input type="text" value="50"/>
Average Train Operations (ATO)	<input type="text"/>	<input type="text" value="11"/>
Night Fraction of ATO	<input type="text"/>	<input type="text" value="15"/>
Railway whistles or horns?	Yes: <input type="checkbox"/> No: <input type="checkbox"/>	Yes: <input checked="" type="checkbox"/> No: <input type="checkbox"/>
Bolted Tracks?	Yes: <input type="checkbox"/> No: <input type="checkbox"/>	Yes: <input checked="" type="checkbox"/> No: <input type="checkbox"/>
Train DNI	<input type="text" value="0"/>	<input type="text" value="50"/>

Train Site	<input type="text" value="50"/>	<input type="text" value="50"/>
Calculate Rail #1 DNL	50	Reset
<div>Add Road Source</div> <div>Add Rail Source</div>		
Airport Noise Level	<input type="text" value="0"/>	
Loud Impulse Sounds?	<input type="radio"/> Yes <input checked="" type="radio"/> No	
<div>Click on this button to determine the Day-Night Noise Level (DNL) for the site being assessed in units of decibel (dB).</div>		
Combined DNL for all Road and Rail sources	55	
Combined DNL including Airport	N/A	
Site DNL with Loud Impulse Sound	<input type="text"/>	
<div>Calculate</div> <div>Reset</div>		

Mitigation Options

If your site DNL is in Excess of 65 decibels, your options are:

- **No Action Alternative:** Cancel the project at this location
- **Other Reasonable Alternatives:** Choose an alternate site
- **Mitigation**
 - **Contact your Field or Regional Environmental Officer** (/programs/environmental-review/hud-environmental-staff-contacts/)
 - Increase mitigation in the building walls (only effective if no outdoor, noise sensitive areas)
 - Reconfigure the site plan to increase the distance between the noise source and noise-sensitive uses
 - Incorporate natural or man-made barriers. See *The Noise Guidebook* (/resource/313/hud-noise-guidebook/)
 - Construct noise barrier. See the **Barrier Performance Module** (/programs/environmental-review/bpm-calculator/)

Tools and Guidance

Day/Night Noise Level Assessment Tool User Guide (/resource/3822/day-night-noise-level-assessment-tool-user-guide/)

Day/Night Noise Level Assessment Tool Flowcharts (/resource/3823/day-night-noise-level-assessment-tool-flowcharts/)

Day/Night Noise Level (DNL) Calculator

The Day/Night Noise Level Calculator is an electronic assessment tool that calculates the Day/Night Noise Level (DNL) from roadway and railway traffic. For more information on using the DNL calculator, view the [Day/Night Noise Level Calculator Electronic Assessment Tool Overview \(/programs/environmental-review/daynight-noise-level-electronic-assessment-tool/\)](#).

Guidelines

- To display the Road and/or Rail DNL calculator(s), click on the "Add Road Source" and/or "Add Rail Source" button(s) below.
- All Road and Rail input values must be positive non-decimal numbers.
- All Road and/or Rail DNL value(s) must be calculated separately before calculating the Site DNL.
- All checkboxes that apply must be checked for vehicles and trains in the tables' headers.
- **Note #1:** Tooltips, containing field specific information, have been added in this tool and may be accessed by hovering over all the respective data fields (site identification, roadway and railway assessment, DNL calculation results, roadway and railway input variables) with the mouse.
- **Note #2:** DNL Calculator assumes roadway data is always entered.

DNL Calculator

Site ID	I. Ellis Johnson
Record Date	05/02/2025
User's Name	Andrea Gievers

Road # 1 Name:	McGirts Bridge Road (SR 1433) NAL 3 (2045)
----------------	--------------------------------------------

Road #1

Vehicle Type	Cars <input checked="" type="checkbox"/>	Medium Trucks <input type="checkbox"/>	Heavy Trucks <input checked="" type="checkbox"/>
Effective Distance	787		787
Distance to Stop Sign			
Average Speed	35		35
Average Daily Trips (ADT)	1489		223
Night Fraction of ADT	15		15
Road Gradient (%)			2
Vehicle DNL	38	0	50
Calculate Road #1 DNL	50	Reset	

Road # 2 Name:	Produce Market Road (SR 1439) NAL 3 (2045)
----------------	--------------------------------------------

Road #2

Vehicle Type	Cars <input checked="" type="checkbox"/>	Medium Trucks <input type="checkbox"/>	Heavy Trucks <input checked="" type="checkbox"/>
--------------	------------------------------------------	----------------------------------------	--------------------------------------------------

Effective Distance	<input type="text" value="782"/>	<input type="text"/>	<input type="text" value="782"/>
Distance to Stop Sign	<input type="text"/>	<input type="text"/>	<input type="text"/>
Average Speed	<input type="text" value="35"/>	<input type="text"/>	<input type="text" value="35"/>
Average Daily Trips (ADT)	<input type="text" value="812"/>	<input type="text"/>	<input type="text" value="121"/>
Night Fraction of ADT	<input type="text" value="15"/>	<input type="text"/>	<input type="text" value="15"/>
Road Gradient (%)	<input type="text"/>	<input type="text"/>	<input type="text" value="2"/>
Vehicle DNL	<input type="text" value="35"/>	<input type="text" value="0"/>	<input type="text" value="47"/>
<div>Calculate Road #2 DNL</div>	<input type="text" value="47"/>	<div>Reset</div>	

Railroad #1 Track Identifier:	<input type="text" value="630929C"/>
--------------------------------------	--------------------------------------

Rail # 1

Train Type	Electric <input type="checkbox"/>	Diesel <input checked="" type="checkbox"/>
Effective Distance	<input type="text"/>	<input type="text" value="2952"/>
Average Train Speed	<input type="text"/>	<input type="text" value="49"/>
Engines per Train	<input type="text"/>	<input type="text" value="2"/>
Railway cars per Train	<input type="text"/>	<input type="text" value="50"/>
Average Train Operations (ATO)	<input type="text"/>	<input type="text" value="11"/>
Night Fraction of ATO	<input type="text"/>	<input type="text" value="15"/>
Railway whistles or horns?	Yes: <input type="checkbox"/> No: <input type="checkbox"/>	Yes: <input checked="" type="checkbox"/> No: <input type="checkbox"/>
Bolted Tracks?	Yes: <input type="checkbox"/> No: <input type="checkbox"/>	Yes: <input checked="" type="checkbox"/> No: <input type="checkbox"/>
Train DNI	<input type="text" value="0"/>	<input type="text" value="50"/>

From Site	~	00
Calculate Rail #1 DNL	50	Reset
Add Road Source	Add Rail Source	
Airport Noise Level	Click on this button to determine the Day-Night Noise Level (DNL) for the site being assessed in units of decibel (dB).	
Loud Impulse Sounds?	<input type="radio"/> Yes <input checked="" type="radio"/> No	
Combined DNL for all Road and Rail sources	54	
Combined DNL including Airport	N/A	
Site DNL with Loud Impulse Sound		
Calculate	Reset	

Mitigation Options

If your site DNL is in Excess of 65 decibels, your options are:

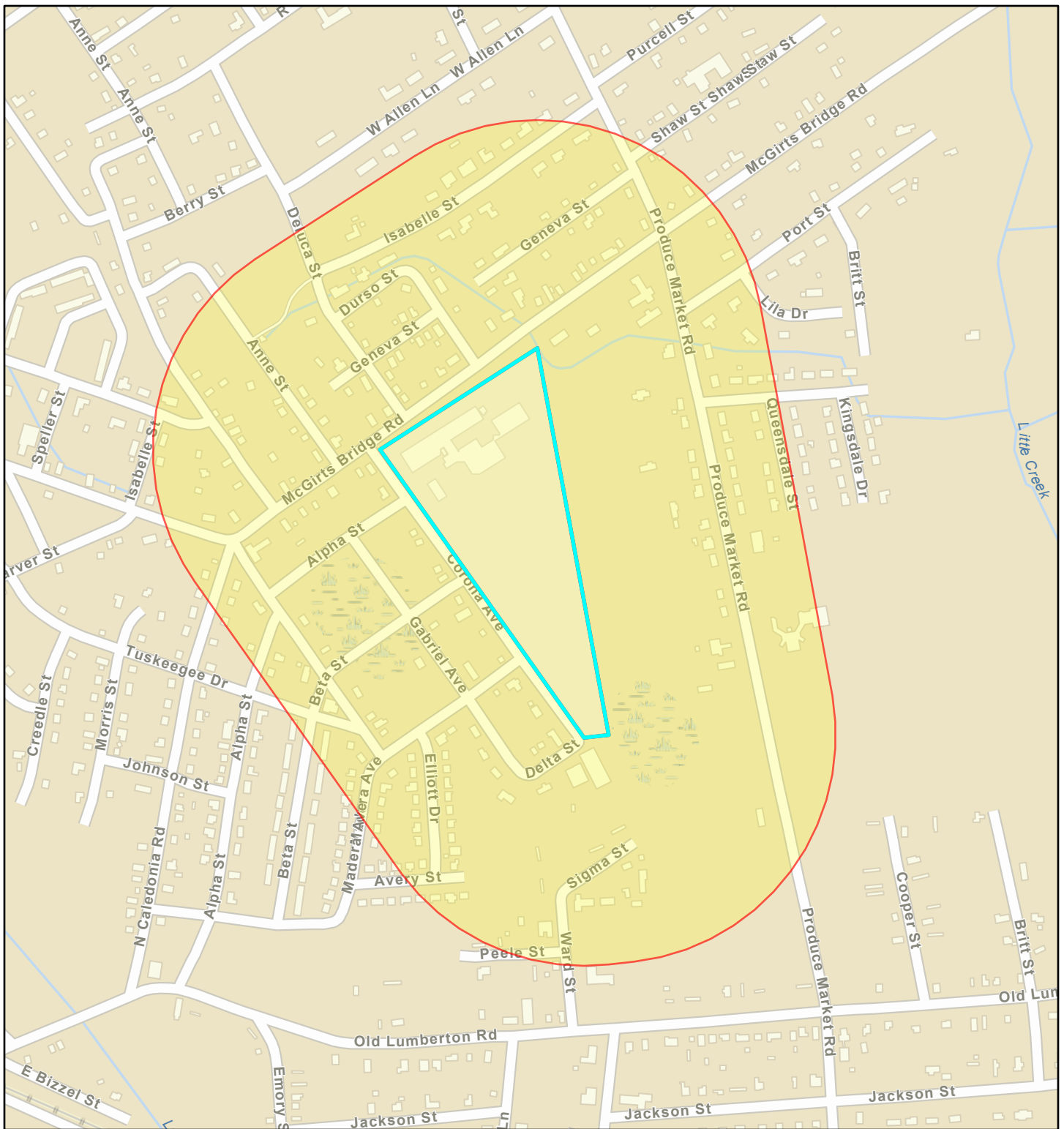
- **No Action Alternative:** Cancel the project at this location
- **Other Reasonable Alternatives:** Choose an alternate site
- **Mitigation**
 - **Contact your Field or Regional Environmental Officer** (/programs/environmental-review/hud-environmental-staff-contacts/)
 - Increase mitigation in the building walls (only effective if no outdoor, noise sensitive areas)
 - Reconfigure the site plan to increase the distance between the noise source and noise-sensitive uses
 - Incorporate natural or man-made barriers. See *The Noise Guidebook* (/resource/313/hud-noise-guidebook/)
 - Construct noise barrier. See the **Barrier Performance Module** (/programs/environmental-review/bpm-calculator/)

Tools and Guidance



Day/Night Noise Level Assessment Tool User Guide (/resource/3822/day-night-noise-level-assessment-tool-user-guide/)

Day/Night Noise Level Assessment Tool Flowcharts (/resource/3823/day-night-noise-level-assessment-tool-flowcharts/)

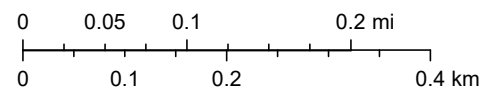
I Ellis Johnson Site with 1,000-foot Radius



May 5, 2025

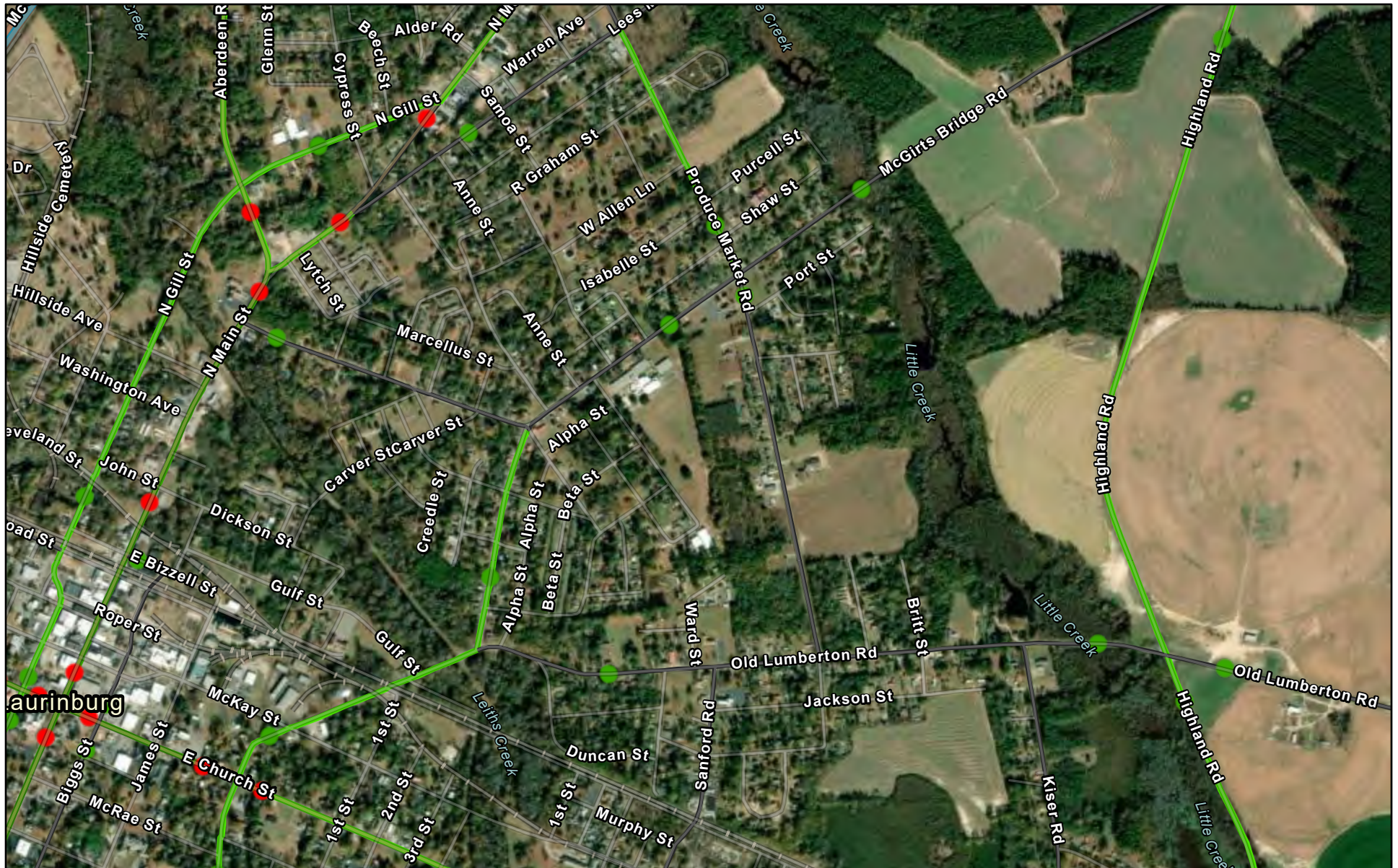
-  I Ellis Johnson Propsed Site
-  Project Buffer

1:9,028



Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, (c) OpenStreetMap contributors, and the GIS User Community

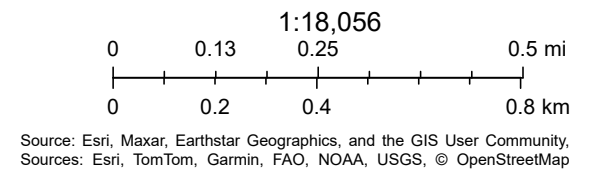
I. Ellis Johnson - NCDOT AADT Map



4/29/2025, 1:29:09 PM



NCDOT Traffic Survey Group staff collected, analyzed, processed and reported this data for calendar year 2022 | Traffic Survey Group, NCDOT, TPD | Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community | Esri Community Maps Contributors,

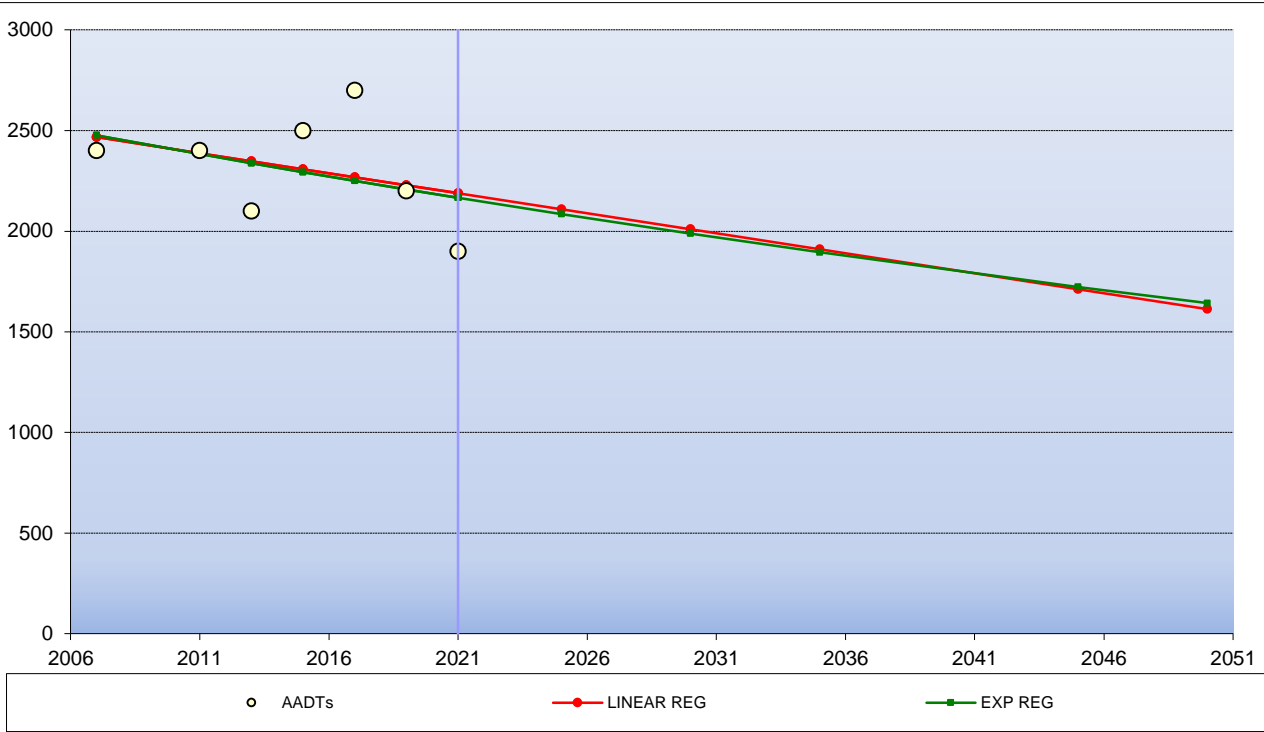


McGirts Bridge Road (SR 1433) - AADT Data

(1 of 2)		(2 of 2)	
NCDOT AADT Stations: 0830000131		NCDOT AADT Traffic Segments Secondary Non-System: 40001433083	
LocationID	0830000131	RouteID	40001433083
COUNTY	SCOTLAND	BeginMp	0.382500
RTE_CLS	Secondary Routes	EndMp	0.826000
ROUTE	SR 1433 (McGirts Bridge Rd)	SU_PCT	0.000000
LOCATION	WEST OF SR 1439 Produce Market Rd	MU_PCT	0.000000
AADT_2002		SU_AADT	0.000000
AADT_2003	3200	MU_AADT	0.000000
AADT_2004		SOURCE	Maintenance
AADT_2005	3200	AADT	1900 ←
AADT_2006		AADTT	0
AADT_2007	2400	TMS_ID	0830000131
AADT_2008			
AADT_2009			
AADT_2010			
AADT_2011	2400		
AADT_2012			
AADT_2013	2100		
AADT_2014			
AADT_2015	2500		
AADT_2016			
AADT_2017	2700		
AADT_2018			
AADT_2019	2200		
AADT_2020			
AADT_2021	1900		
AADT_2022			
AADT_2023	1900 ←		
Zoom to ...			

AADT TREND ANALYSIS

#1 -- SR 1433 W OF SR 1439



HI STORI C DATA		STATI STI CAL RESULTS	
Year	AADT	LI NEAR REG:	-19.9
2007	2400	LI NEAR %:	-0.85%
2011	2400	EXPONENTI AL REG:	-0.95%
2013	2100		
2015	2500		
2017	2700	R-SQUARED	
2019	2200	LI NEAR:	0.1285
2021	1900	EXPONENTI AL:	0.1531

NUMBER OF DATA POINTS:
7

SHOW HI STORI C DATA:	SHOW FUTURE DATA:	SHOW STATION #:
<input checked="" type="checkbox"/> LI NEAR REGRESSI ON	<input checked="" type="checkbox"/> LI NEAR REGRESSI ON	1- SR 1433 W OF SR 1439
<input checked="" type="checkbox"/> EXPONENTI AL REGRESSI ON	<input checked="" type="checkbox"/> EXPONENTI AL REGRESSI ON	FUT YRS: 2021
<input checked="" type="checkbox"/> HI STORI C DATA		#1 2025
		#2 2030
		#3 2035
		#4 2045
		#5 2050
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION / TRANSP. PLANNING BRANCH		

FUTURE PROJECTIONS:				
LI near Reg	Exp Reg			
2189	2167			
2110	2086			
2010	1988			
1911	1896			
1712	1723			
1613	1643			

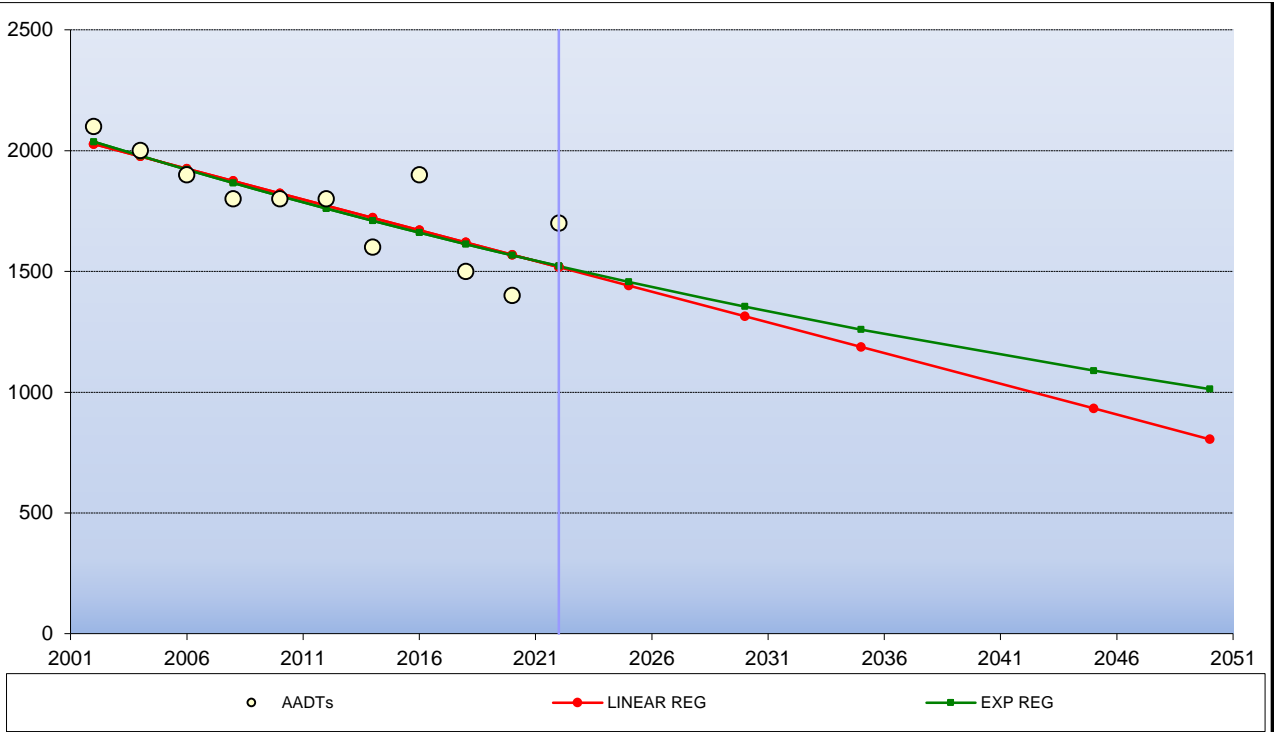
Title - Replace with text
Title - Replace with text or delete

Produce Market Road (SR 1439) - AADT Data

(1 of 2)		(2 of 2)	
NCDOT AADT Stations: 0830000130		NCDOT AADT Traffic Segments Secondary Non-System: 40001439083	
LocationID	0830000130	RouteID	40001439083
COUNTY	SCOTLAND	BeginMp	0.644000
RTE_CLS	Secondary Routes	EndMp	1.305000
ROUTE	SR 1439 (Produce Market Rd)	SU_PCT	0.000000
LOCATION	SOUTH OF SR 1433 Mcgirts Bridge Rd	MU_PCT	0.000000
AADT_2002	2100	SU_AADT	0.000000
AADT_2003		MU_AADT	0.000000
AADT_2004	2000	SOURCE	Maintenance
AADT_2005		AADT	1600
AADT_2006	1900	AADTT	0
AADT_2007		TMS_ID	0830000130
AADT_2008	1800		
AADT_2009			
AADT_2009			
AADT_2010	1800		
AADT_2011			
AADT_2012	1800		
AADT_2013			
AADT_2014	1600		
AADT_2015			
AADT_2016	1900		
AADT_2017			
AADT_2018	1500		
AADT_2019			
AADT_2020	1400		
AADT_2021			
AADT_2022	1700		
AADT_2023			
Zoom to		Zoom to	

AADT TREND ANALYSIS

#1 -- SR 1439 S OF SR 1433



HI STORI C DATA		STATI STI CAL RESULTS	
Year	AADT	LI NEAR REG:	-25. 5
2002	2100	LI NEAR %:	-1. 44%
2004	2000	EXPONENTIAL REG:	-1. 44%
2006	1900		
2008	1800		
2010	1800	R-SQUARED	
2012	1800	LI NEAR:	0. 6453
2014	1600	EXPONENTIAL:	0. 6257
2016	1900		
2018	1500		
2020	1400	NUMBER OF DATA POINTS:	
2022	1700		11

SHOW HI STORI C DATA:	SHOW FUTURE DATA:	SHOW STATION #:
<input checked="" type="checkbox"/> LI NEAR REGRESSI ON	<input checked="" type="checkbox"/> LI NEAR REGRESSI ON	1- SR 1439 S OF SR 1433
<input checked="" type="checkbox"/> EXPONENTIAL REGRESSI ON	<input checked="" type="checkbox"/> EXPONENTIAL REGRESSI ON	FUT YRS: 2022
<input checked="" type="checkbox"/> HI STORI C DATA		#1 2025
		#2 2030
		#3 2035
		#4 2045
		#5 2050
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION / TRANSP. PLANNING BRANCH		

FUTURE PROJECTIONS:				
LI near Reg	Exp Reg			
1518	1522			
1442	1457			
1315	1355			
1187	1260			
933	1089			
805	1013			

Title - Replace with text

Title - Replace with text or delete

Speed Limits

McGirts Bridge Road (SR 1433)



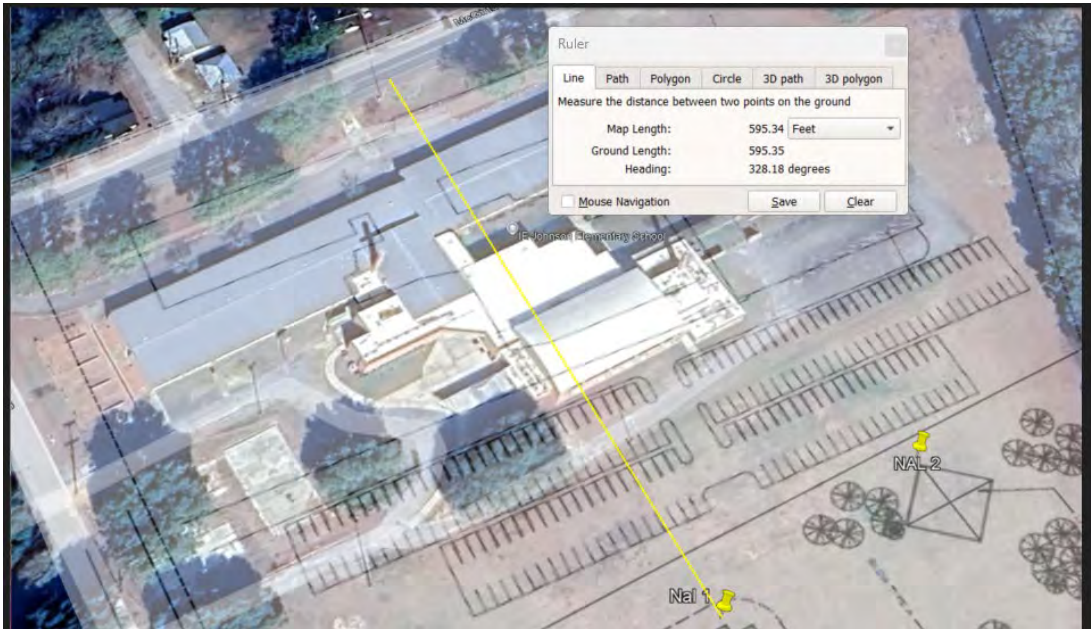
Produce Market Road (SR 1439)



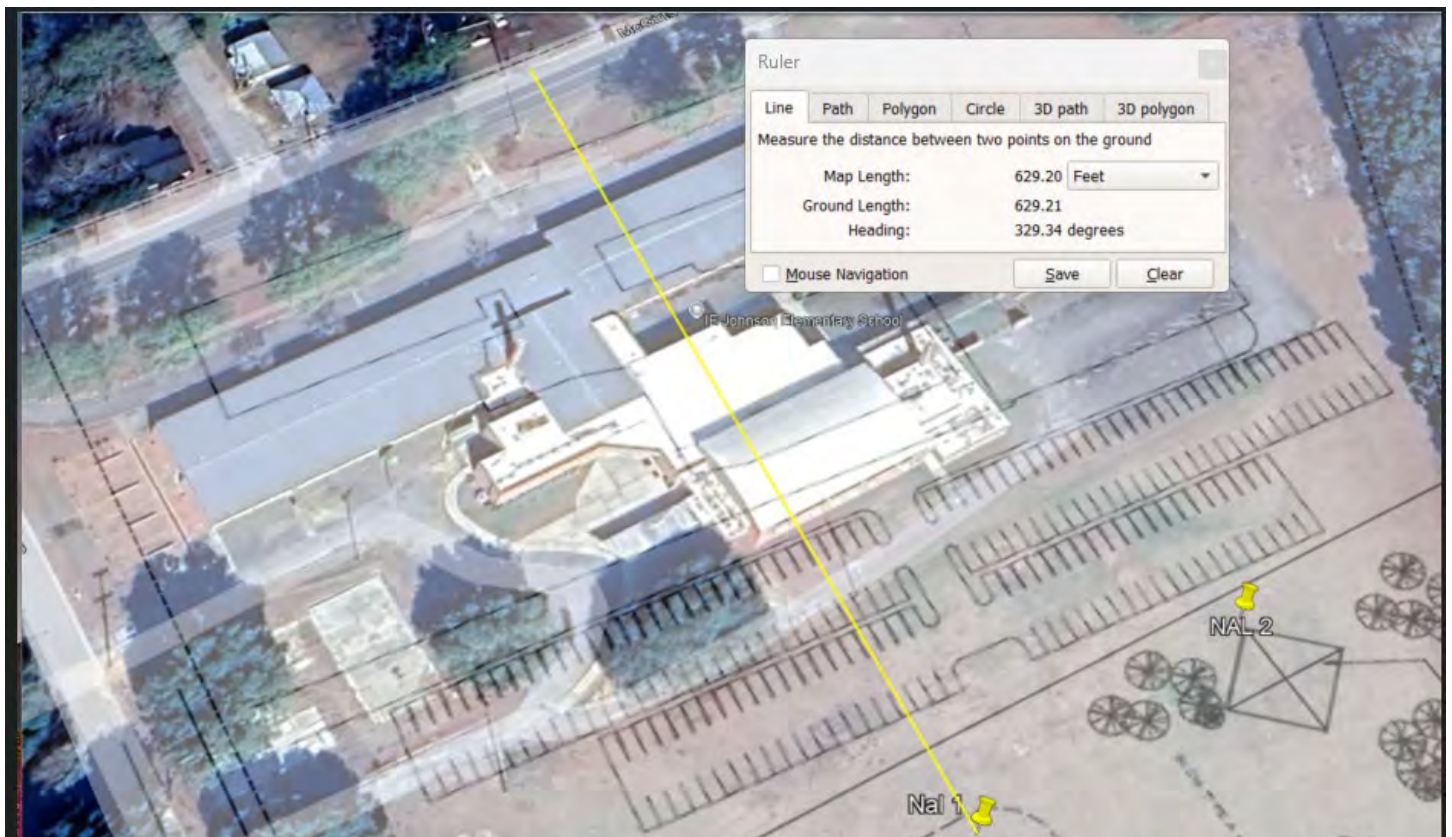
NAL 1 - McGirts Road

595 feet + 629 feet = 1,224 feet / 2 = **612 feet**

Distance to Closest Lane McGirts Road = 595 feet



Distance to Furthest Lane McGirts Road = 629 feet



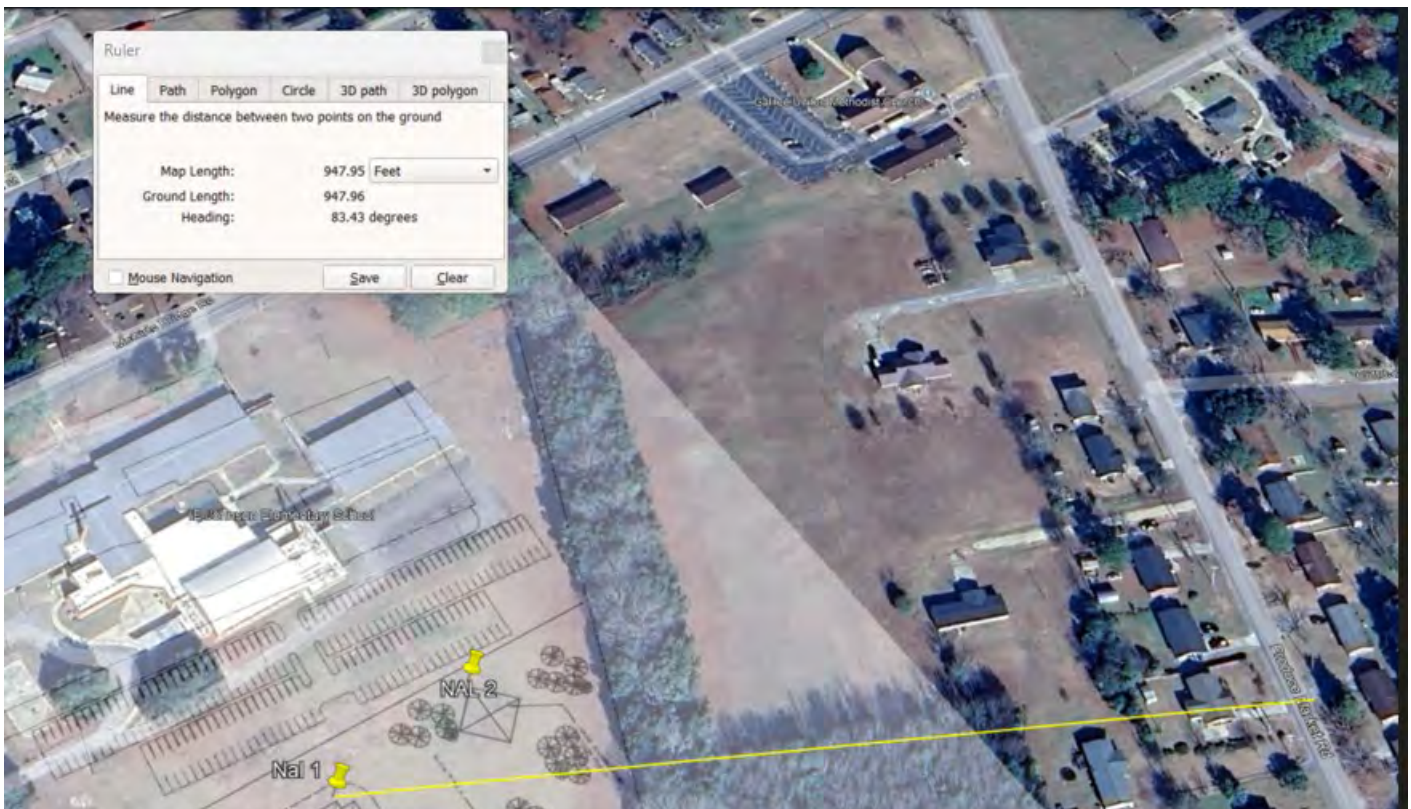
NAL 1 - Produce Market Road

918 feet + 948 feet = 1,866 feet / 2 = **933 feet**

Distance to Closest Lane Produce Market Road = 918 feet



Distance to Furthest Lane Produce Market Road = 948 feet



NAL 2 - McGirts Road

559 feet + 600 feet = 1,159 feet / 2 = **579.5 feet**

Distance to Closest Lane McGirts Road = 559 feet



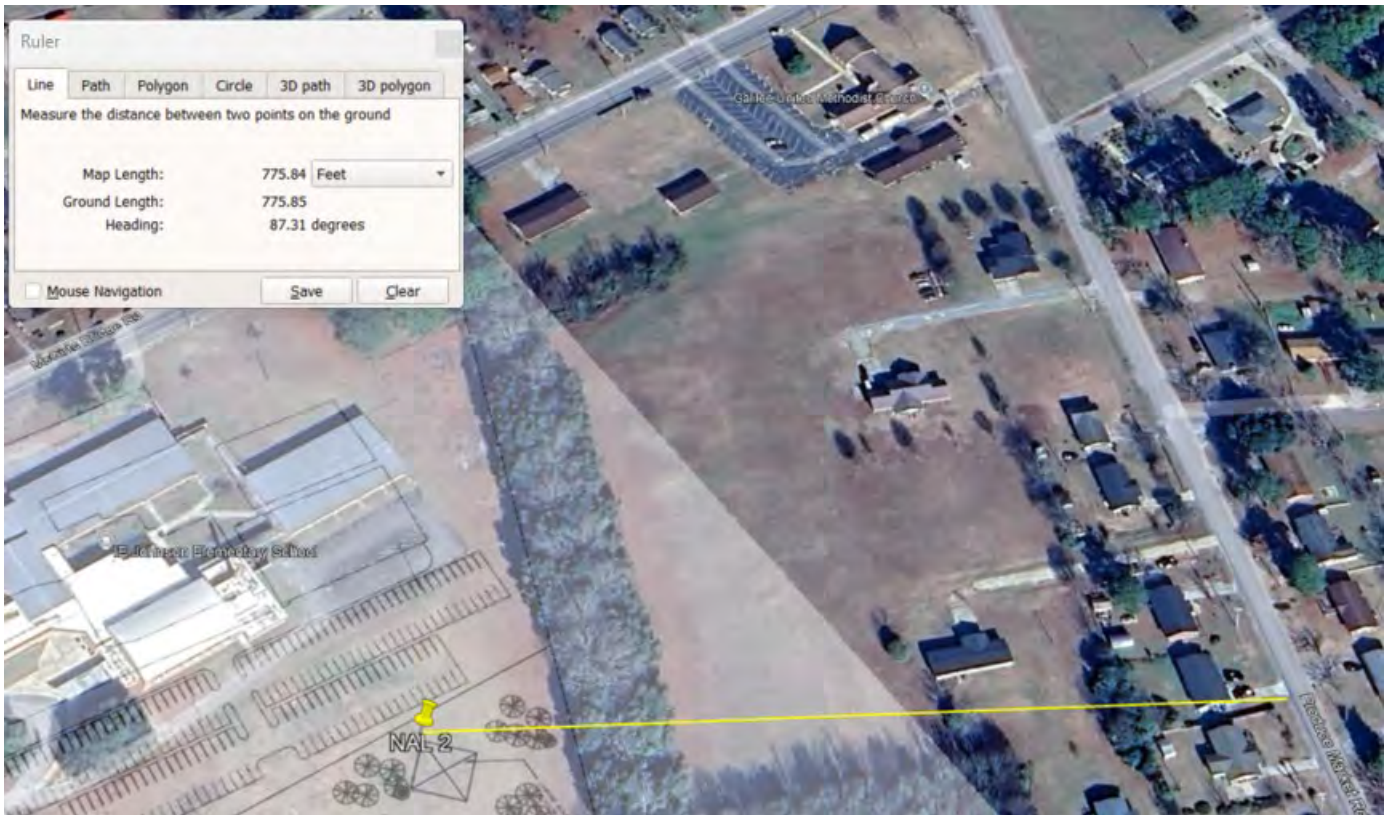
Distance to Furthest Lane McGirts Road = 599 feet



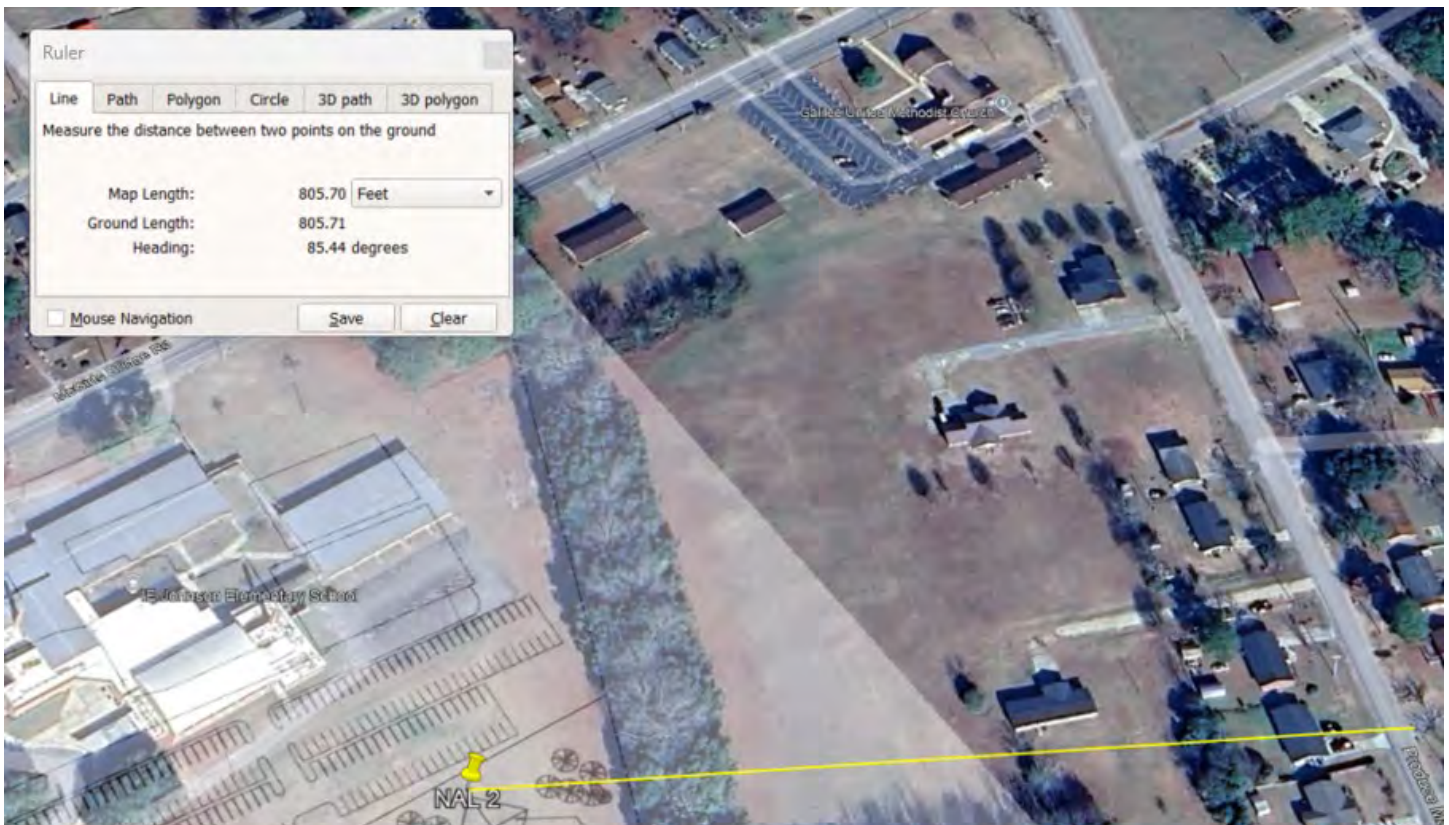
NAL 2 - Produce Market Road

775 feet + 805 feet = 1,580 feet / 2 = **790 feet**

Distance to Closest Lane Produce Market Road = 775 feet



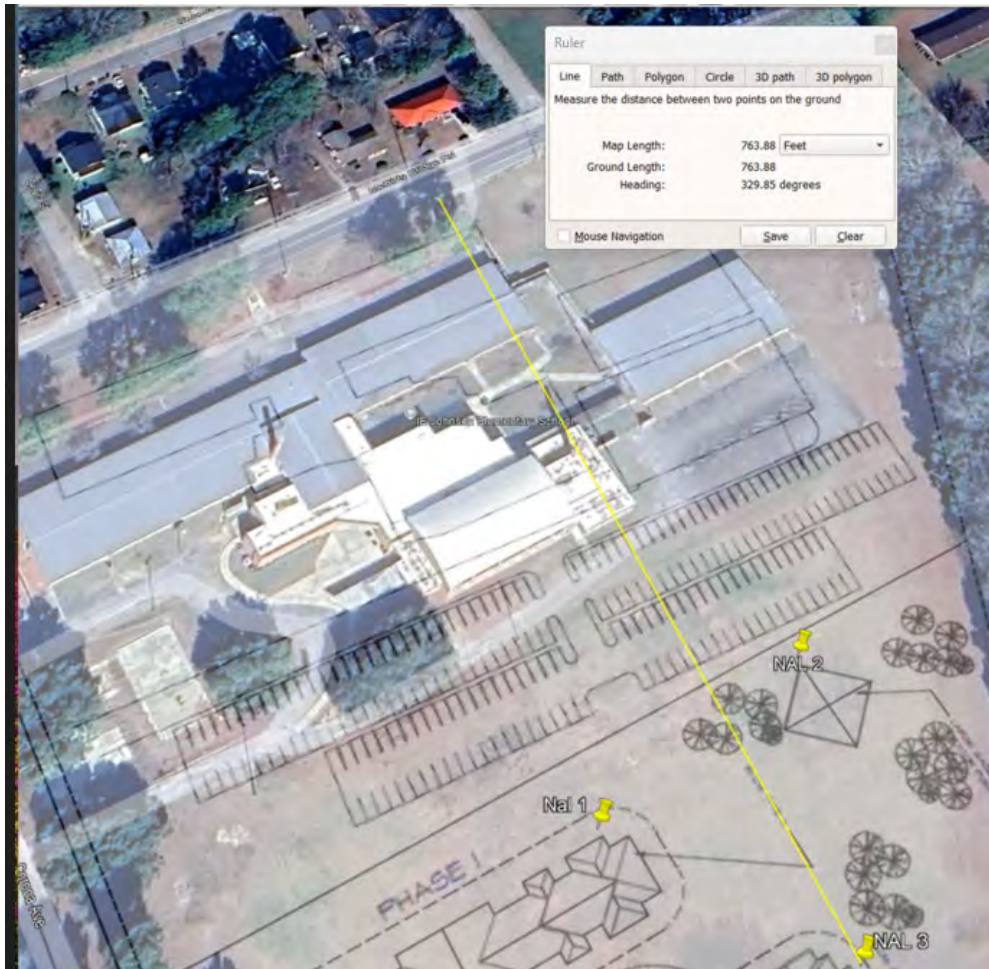
Distance to Furthest Lane Produce Market Road = 805 feet



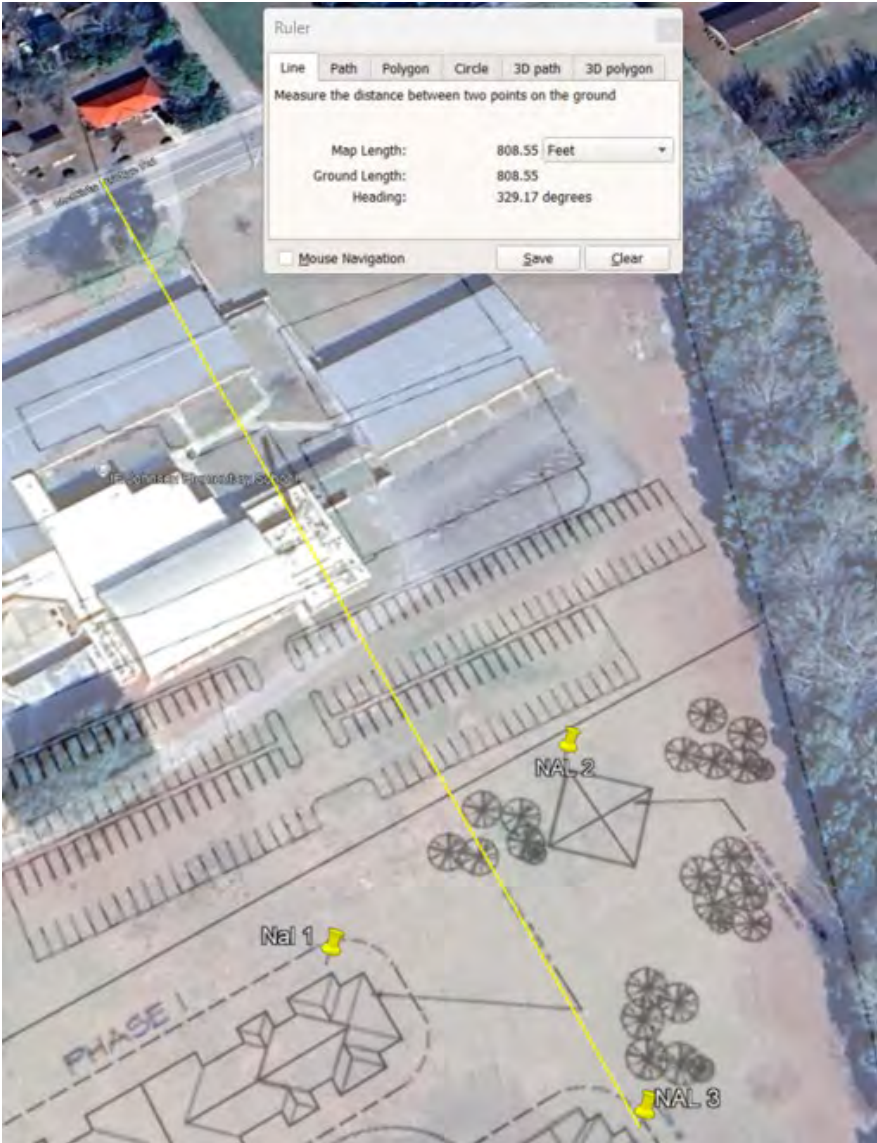
NAL 3 - McGirts Road

764 feet + 809 feet = 1,573 feet / 2 = **786.5 feet**

Distance to Closest Lane McGirts Road = 764 feet



Distance to Furthest Lane McGirts Road = 809 feet



NAL 3 - Produce Market Road

771 feet + 792 feet = 1,562 feet / 2 = **782 feet**

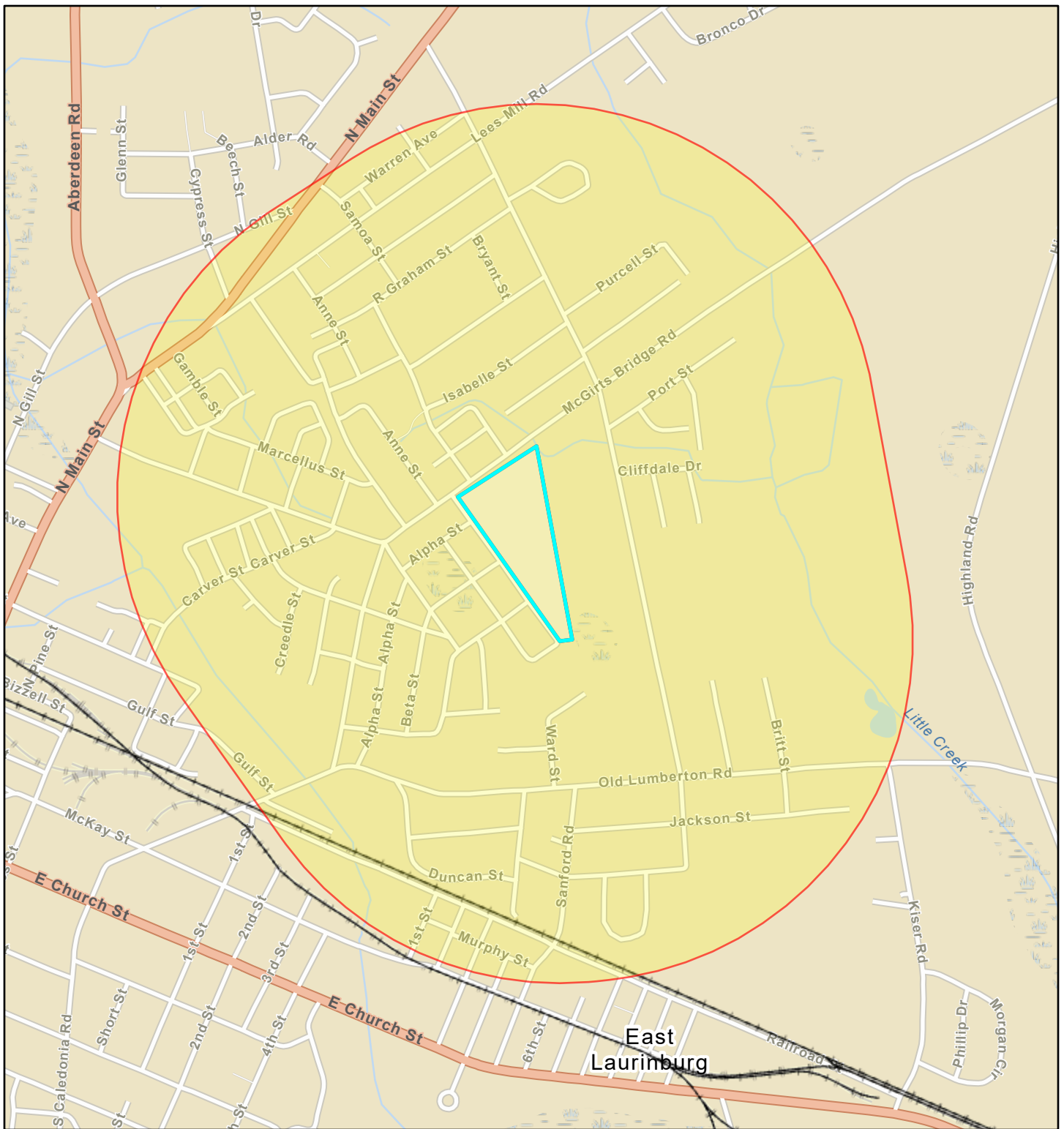
Distance to Closest Lane Produce Market Road = 771 feet




Distance to Furthest Lane Produce Market Road = 792 feet



I Ellis Johnson Site Railroads With 3,000-foot Radius



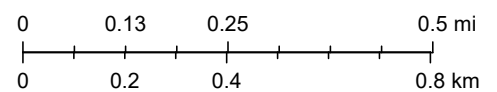
May 5, 2025

 I Ellis Johnson Propsed Site

 Project Buffer

 Railroads

1:18,056



Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, (c) OpenStreetMap contributors, and the GIS User Community, EPA OEI



U. S. DOT CROSSING INVENTORY FORM

DEPARTMENT OF TRANSPORTATION

FEDERAL RAILROAD ADMINISTRATION

OMB No. 2130-0017

Instructions for the initial reporting of the following types of new or previously unreported crossings: For public highway-rail grade crossings, complete the entire inventory Form. For private highway-rail grade crossings, complete the Header, Parts I and II, and the Submission Information section. For public pathway grade crossings (including pedestrian station grade crossings), complete the Header, Parts I and II, and the Submission Information section. For Private pathway grade crossings, complete the Header, Parts I and II, and the Submission Information section. For grade-separated highway-rail or pathway crossings (including pedestrian station crossings), complete the Header, Part I, and the Submission Information section. For changes to existing data, complete the Header, Part I Items 1-3, and the Submission Information section, in addition to the updated data fields. Note: For private crossings only, Part I Item 20 and Part III Item 2.K. are required unless otherwise noted. An asterisk * denotes an optional field.

A. Revision Date (MM/DD/YYYY) 11 / 22 / 2024	B. Reporting Agency <input checked="" type="checkbox"/> Railroad <input type="checkbox"/> Transit <input type="checkbox"/> State <input type="checkbox"/> Other	C. Reason for Update (Select only one) <input checked="" type="checkbox"/> Change in Data <input type="checkbox"/> New Crossing <input type="checkbox"/> Closed <input type="checkbox"/> Re-Open <input type="checkbox"/> Date Change Only <input type="checkbox"/> Change in Primary Operating RR <input type="checkbox"/> No Train Traffic <input type="checkbox"/> Quiet Zone Update <input type="checkbox"/> Admin. Correction	D. DOT Crossing Inventory Number 630929C
-----------------------------------------------------------	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	----------------------------------------------------

Part I: Location and Classification Information

1. Primary Operating Railroad CSX Transportation [CSX]		2. State NORTH CAROLINA		3. County SCOTLAND	
4. City / Municipality <input checked="" type="checkbox"/> In <input type="checkbox"/> Near EAST LAURINBURG		5. Street/Road Name & Block Number SANFORD ROAD 100 (Street/Road Name) * (Block Number)		6. Highway Type & No. SR 1457	
7. Do Other Railroads Operate a Separate Track at Crossing? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, Specify RR			8. Do Other Railroads Operate Over Your Track at Crossing? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If Yes, Specify RR ATK		
9. Railroad Division or Region <input type="checkbox"/> None CAROLINAS		10. Railroad Subdivision or District <input type="checkbox"/> None WILMINGTON		11. Branch or Line Name <input checked="" type="checkbox"/> None	
12. RR Milepost SE 0270.060 (prefix) (nnnn.nnn) (suffix)					
13. Line Segment * 923430		14. Nearest RR Timetable Station * LAURINBURG		15. Parent RR (if applicable) <input checked="" type="checkbox"/> N/A	
16. Crossing Owner (if applicable) <input checked="" type="checkbox"/> N/A					
17. Crossing Type <input checked="" type="checkbox"/> Public <input type="checkbox"/> Private	18. Crossing Purpose <input checked="" type="checkbox"/> Highway <input type="checkbox"/> Pathway, Ped. <input type="checkbox"/> Station, Ped.	19. Crossing Position <input checked="" type="checkbox"/> At Grade <input type="checkbox"/> RR Under <input type="checkbox"/> RR Over	20. Public Access (if Private Crossing) <input type="checkbox"/> Yes <input type="checkbox"/> No	21. Type of Train <input checked="" type="checkbox"/> Freight <input checked="" type="checkbox"/> Intercity Passenger <input type="checkbox"/> Commuter <input type="checkbox"/> Transit <input checked="" type="checkbox"/> Shared Use Transit <input type="checkbox"/> Tourist/Other	22. Average Passenger Train Count Per Day <input checked="" type="checkbox"/> Less Than One Per Day <input type="checkbox"/> Number Per Day
23. Type of Land Use <input type="checkbox"/> Open Space <input type="checkbox"/> Farm <input type="checkbox"/> Residential <input checked="" type="checkbox"/> Commercial <input type="checkbox"/> Industrial <input type="checkbox"/> Institutional <input type="checkbox"/> Recreational <input type="checkbox"/> RR Yard					
24. Is there an Adjacent Crossing with a Separate Number? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, Provide Crossing Number			25. Quiet Zone (FRA provided) <input checked="" type="checkbox"/> No <input type="checkbox"/> 24 Hr <input type="checkbox"/> Partial <input type="checkbox"/> Chicago Excused Date Established		
26. HSR Corridor ID <input checked="" type="checkbox"/> N/A		27. Latitude in decimal degrees (WGS84 std: nn.nnnnnnn) 34.7713840		28. Longitude in decimal degrees (WGS84 std: -nnn.nnnnnnn) -79.4438790	
29. Lat/Long Source <input checked="" type="checkbox"/> Actual <input type="checkbox"/> Estimated					
30.A. Railroad Use *			31.A. State Use *		
30.B. Railroad Use *			31.B. State Use *		
30.C. Railroad Use *			31.C. State Use *		
30.D. Railroad Use *			31.D. State Use *		
32.A. Narrative (Railroad Use) *			32.B. Narrative (State Use) * SR 1457 (FIFTH ST)		
33. Emergency Notification Telephone No. (posted) 800-232-0144		34. Railroad Contact (Telephone No.) 904-366-3051		35. State Contact (Telephone No.) 919-707-4100	

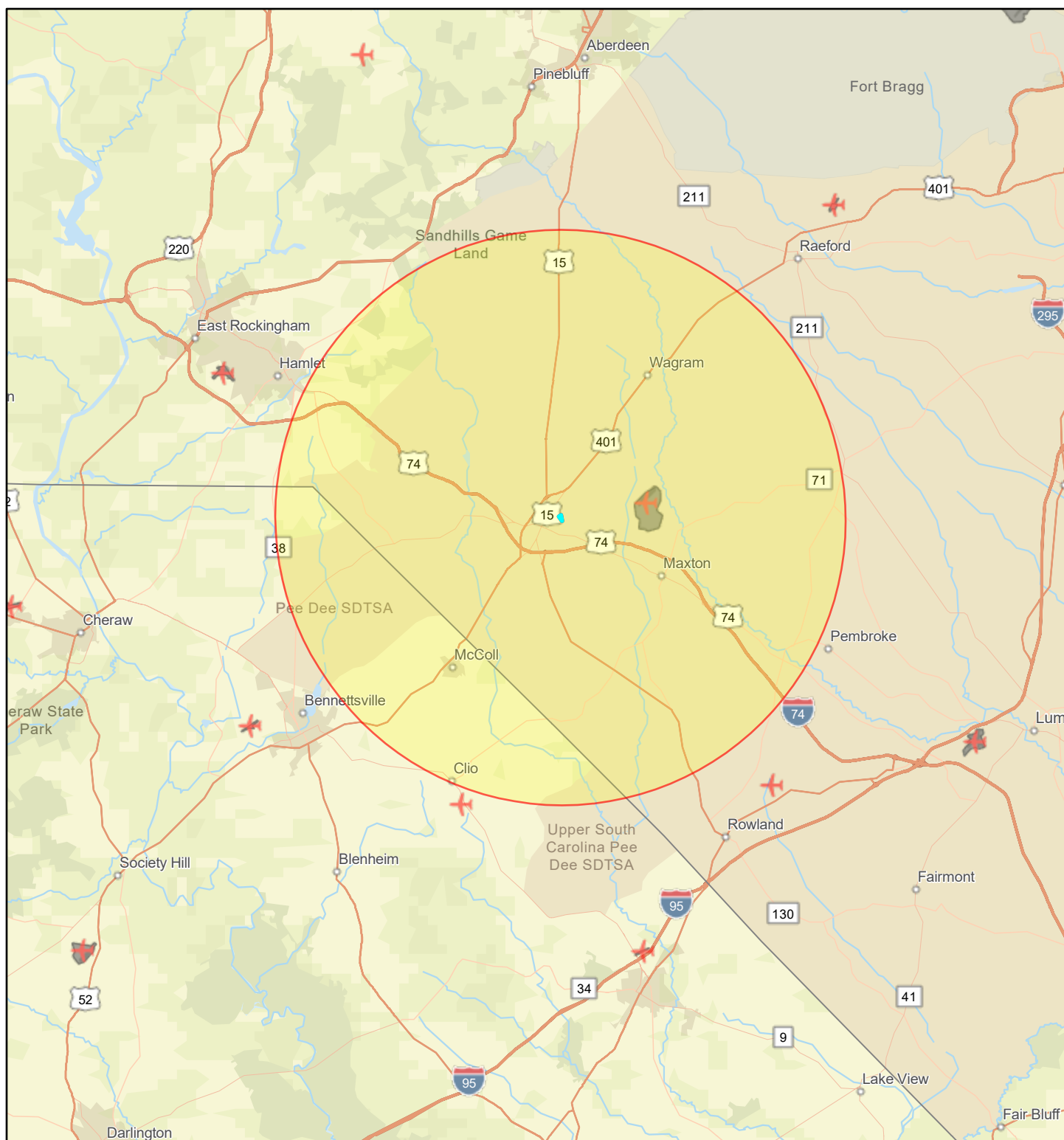
Part II: Railroad Information

1. Estimated Number of Daily Train Movements				
1.A. Total Day Thru Trains (6 AM to 6 PM) 4	1.B. Total Night Thru Trains (6 PM to 6 AM) 4	1.C. Total Switching Trains 3	1.D. Total Transit Trains 0	1.E. Check if Less Than One Movement Per Day <input type="checkbox"/> How many trains per week? _____
2. Year of Train Count Data (YYYY) 2024		3. Speed of Train at Crossing 3.A. Maximum Timetable Speed (mph) 49 3.B. Typical Speed Range Over Crossing (mph) From 49 to 49		
4. Type and Count of Tracks Main 1 Siding 0 Yard 0 Transit 0 Industry 0				
5. Train Detection (Main Track only) <input checked="" type="checkbox"/> Constant Warning Time <input type="checkbox"/> Motion Detection <input type="checkbox"/> AFO <input type="checkbox"/> PTC <input type="checkbox"/> DC <input type="checkbox"/> Other <input type="checkbox"/> None				
6. Is Track Signaled? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		7.A. Event Recorder <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		7.B. Remote Health Monitoring <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No





U. S. DOT CROSSING INVENTORY FORM

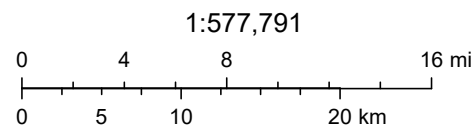
A. Revision Date (MM/DD/YYYY) 11/22/2024		PAGE 2		D. Crossing Inventory Number (7 char.) 630929C	
Part III: Highway or Pathway Traffic Control Device Information					
1. Are there Signs or Signals? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		2. Types of Passive Traffic Control Devices associated with the Crossing			
2.A. Crossbuck Assemblies (count) 0		2.B. STOP Signs (R1-1) (count) 0	2.C. YIELD Signs (R1-2) (count) 0	2.D. Advance Warning Signs (Check all that apply; include count) <input type="checkbox"/> None <input checked="" type="checkbox"/> W10-1 2 <input checked="" type="checkbox"/> W10-3 0 <input checked="" type="checkbox"/> W10-11 0 <input checked="" type="checkbox"/> W10-2 0 <input checked="" type="checkbox"/> W10-4 0 <input checked="" type="checkbox"/> W10-12 0	
2.E. Low Ground Clearance Sign (W10-5) <input type="checkbox"/> Yes (count 0) <input checked="" type="checkbox"/> No		2.F. Pavement Markings <input checked="" type="checkbox"/> Stop Lines <input type="checkbox"/> Dynamic Envelope <input checked="" type="checkbox"/> RR Xing Symbols <input type="checkbox"/> None		2.G. Channelization Devices/Medians <input type="checkbox"/> All Approaches <input type="checkbox"/> Median <input type="checkbox"/> One Approach <input checked="" type="checkbox"/> None	
2.H. EXEMPT Sign (R15-3) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		2.I. ENS Sign (I-13) Displayed <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
2.J. Other MUTCD Signs Specify Type _____ Count 0 Specify Type _____ Count 0 Specify Type _____ Count 0		2.K. Private Crossing Signs (if private) <input type="checkbox"/> Yes <input type="checkbox"/> No		2.L. LED Enhanced Signs (List types)	
3. Types of Train Activated Warning Devices at the Grade Crossing (specify count of each device for all that apply)					
3.A. Gate Arms (count) Roadway 2 Pedestrian 0		3.B. Gate Configuration <input checked="" type="checkbox"/> 2 Quad <input type="checkbox"/> Full (Barrier) <input type="checkbox"/> 3 Quad Resistance <input type="checkbox"/> 4 Quad Median Gates		3.C. Cantilevered (or Bridged) Flashing Light Structures (count) Over Traffic Lane 0 <input type="checkbox"/> Incandescent Not Over Traffic Lane 0 <input type="checkbox"/> LED	
3.D. Mast Mounted Flashing Lights (count of masts) 2 <input type="checkbox"/> Incandescent <input checked="" type="checkbox"/> LED <input checked="" type="checkbox"/> Back Lights Included <input type="checkbox"/> Side Lights Included		3.E. Total Count of Flashing Light Pairs 6			
3.F. Installation Date of Current Active Warning Devices: (MM/YYYY) _____/_____/_____ <input checked="" type="checkbox"/> Not Required		3.G. Wayside Horn <input type="checkbox"/> Yes Installed on (MM/YYYY) ____/____/_____ <input checked="" type="checkbox"/> No		3.H. Highway Traffic Signals Controlling Crossing <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
3.I. Bells (count) 2		3.J. Non-Train Active Warning <input type="checkbox"/> Flagging/Flagman <input type="checkbox"/> Manually Operated Signals <input type="checkbox"/> Watchman <input type="checkbox"/> Floodlighting <input checked="" type="checkbox"/> None			
3.K. Other Flashing Lights or Warning Devices Count 0 Specify type _____		4.A. Does nearby Hwy Intersection have Traffic Signals? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
4.B. Hwy Traffic Signal Interconnection <input checked="" type="checkbox"/> Not Interconnected <input type="checkbox"/> For Traffic Signals <input type="checkbox"/> For Warning Signs		4.C. Hwy Traffic Signal Preemption <input type="checkbox"/> Simultaneous <input type="checkbox"/> Advance		5. Highway Traffic Pre-Signals <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Storage Distance * 0 Stop Line Distance * 0	
6. Highway Monitoring Devices (Check all that apply) <input type="checkbox"/> Yes - Photo/Video Recording <input type="checkbox"/> Yes - Vehicle Presence Detection <input checked="" type="checkbox"/> None					
Part IV: Physical Characteristics					
1. Traffic Lanes Crossing Railroad Number of Lanes 2 <input type="checkbox"/> One-way Traffic <input checked="" type="checkbox"/> Two-way Traffic <input type="checkbox"/> Divided Traffic		2. Is Roadway/Pathway Paved? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		3. Does Track Run Down a Street? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
4. Is Crossing Illuminated? (Street lights within approx. 50 feet from nearest rail) <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		5. Crossing Surface (on Main Track, multiple types allowed) Installation Date * (MM/YYYY) ____/____/_____ <input type="checkbox"/> 1 Timber <input type="checkbox"/> 2 Asphalt <input checked="" type="checkbox"/> 3 Asphalt and Timber <input type="checkbox"/> 4 Concrete <input type="checkbox"/> 5 Concrete and Rubber <input type="checkbox"/> 6 Rubber <input type="checkbox"/> 7 Metal <input type="checkbox"/> 8 Unconsolidated <input type="checkbox"/> 9 Composite <input type="checkbox"/> 10 Other (specify) _____			
6. Intersecting Roadway within 500 feet? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If Yes, Approximate Distance (feet) _____		7. Smallest Crossing Angle <input type="checkbox"/> 0° - 29° <input type="checkbox"/> 30° - 59° <input checked="" type="checkbox"/> 60° - 90°		8. Is Commercial Power Available? * <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Part V: Public Highway Information					
1. Highway System <input type="checkbox"/> (01) Interstate Highway System <input type="checkbox"/> (02) Other Nat Hwy System (NHS) <input type="checkbox"/> (03) Federal AID, Not NHS <input checked="" type="checkbox"/> (08) Non-Federal AID		2. Functional Classification of Road at Crossing <input type="checkbox"/> (0) Rural <input checked="" type="checkbox"/> (1) Urban <input type="checkbox"/> (1) Interstate <input type="checkbox"/> (5) Major Collector <input type="checkbox"/> (2) Other Freeways and Expressways <input type="checkbox"/> (3) Other Principal Arterial <input type="checkbox"/> (6) Minor Collector <input checked="" type="checkbox"/> (4) Minor Arterial <input type="checkbox"/> (7) Local		3. Is Crossing on State Highway System? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
4. Highway Speed Limit 35 _____ MPH <input checked="" type="checkbox"/> Posted <input type="checkbox"/> Statutory		5. Linear Referencing System (LRS Route ID) *			
6. LRS Milepost *		7. Annual Average Daily Traffic (AADT) Year 2014 AADT 1121			
8. Estimated Percent Trucks 1 _____ %		9. Regularly Used by School Buses? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Average Number per Day 7		10. Emergency Services Route <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Submission Information - This information is used for administrative purposes and is not available on the public website.					
Submitted by _____ Organization _____ Phone _____ Date _____ Public reporting burden for this information collection is estimated to average 30 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed and completing and reviewing the collection of information. According to the Paperwork Reduction Act of 1995, a federal agency may not conduct or sponsor, and a person is not required to, nor shall a person be subject to a penalty for failure to comply with, a collection of information unless it displays a currently valid OMB control number. The valid OMB control number for information collection is 2130-0017. Send comments regarding this burden estimate or any other aspect of this collection, including for reducing this burden to: Information Collection Officer, Federal Railroad Administration, 1200 New Jersey Ave. SE, MS-25 Washington, DC 20590.					

I Ellis Johnson Site Airports Within 15-mile Radius



May 5, 2025

-  I Ellis Johnson Propsed Site
-  Project Buffer
-  Airport Points
-  Airport Polygons



Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, (c) OpenStreetMap contributors, and the GIS User Community, EPA OEI

Airport Noise Worksheet

Use this worksheet to identify information needed to evaluate a site's exposure to aircraft noise.

Name and Location of Project: I Ellis Johnson

Name of Airport: Laurinburg/Maxton (MEB)

Person completing worksheet: Andrea Gievers

Date: 05/02/2025

1. Determine if the proposed site/project is within 15 miles of a civil or military airport.

☐ No. Attach a map identifying the location of the proposed project site and the location of any airports. This worksheet is not required.

☒ Yes. Attach a map identifying the location of the proposed project site and the location of any airports. Continue

2. Determine the number of operations at the airport by:

- Going to: <http://www.gcr1.com/5010web/>
- Type in the name of the city press search
- Find your airport.
- Open the report under "Print 5010"
- Complete section 3 below by using the information found in the report (see arrow #1 in the example below)

3. Determine if the annual number of operations for air carriers (#100), air taxis (#102), military (#105), and general aviation (#103 plus #104) exceeds thresholds.

Annual air carrier operations 225. Is this 9000 or more? ☐ Yes ☒ No

Annual air taxi operations 6 Is this 18,000 or more? ☐ Yes ☒ No

Annual general aviation operations 399. Is this 72000 or more? ☐ Yes ☒ No

Annual military operations 64. Is this 18,000 or more? ☐ Yes ☒ No

A. If you answer "No" on each of the questions above, it is assumed that the noise attributed to the airplanes will not extend beyond the boundaries of the airport. Maintain the documentation in your Environmental Review Record. You are finished with the evaluation of airport noise for this airport. If you have marked any question in #3 with "Yes," continue to 5.

B. Contact the airport manager, (see arrow #2 above) and ask them if the airport has noise contour maps. Are contour maps available?

☐ Yes. Locate your project on the noise contour map. If there are no roads or railroads that are being considered for noise, utilize the information from the contour map to determine if the site is acceptable. If roads or railroads are being considered input the information obtained from the airport noise contours, along with the road and railroad

Airport Noise Worksheet

information in the HUD [Noise Assessment Guidelines](https://www.hudexchange.info/environmental-review/dnl-calculator) (NAG) or the online tool at <https://www.hudexchange.info/environmental-review/dnl-calculator>.

☐ No. Construct the approximate DNL contours by using the guidance on page 52 and 53 of the [NAG](#). You will need to obtain the following information from the airport: 1). The number of nighttime jet operations (10pm to 7 am) 2). The number of daytime jet operations (7 am to 10 pm) 3). The flight paths of the major runways. 4). Any available information about expected changes in airport traffic (e.g. will the number of operations Increase or decrease in the next 10 to 15 years).

TFMSC Report (Airport)

From 01/01/2024 To 01/01/2025 | Airport=MEB

#	User Class	Departures	Arrivals	Total Operations	Departure Seats	Average Departure Seats	Arrival Seats	Average Arrival Seats
1	Air Carrier	14	211	225	208	14	4,118	19
2	General Aviation	190	209	399	966	5	1,060	5
3	Military	19	45	64	290	15	1,161	25
4	Other	3	2	5	30	10	15	7
5	Air Taxi	3	3	6	22	7	22	7
Total:		229	470	699	1,516	6	6,376	13

Report created on Tue Jul 15 12:09:24 EDT 2025
Sources: Traffic Flow Management System Counts (TFMSC), Aviation System Performance Metrics (ASPM)

ATTACHMENT 14:


Sole Source Aquifers

U.S. EPA Sole Source Aquifer Map

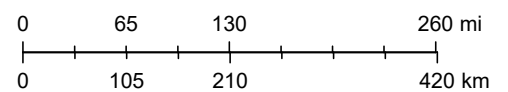
U.S. EPA Sole Source Aquifer Map



6/17/2024, 10:00:45 AM

 Sole_Source_Aquifers

1:9,244,649



Esri, HERE, Garmin, NGA, USGS, NPS

ATTACHMENT 15:

Wetlands Protection

USFWS NWI Map and Wetland Delineation

I Ellis Johnson Housing - NWI Map

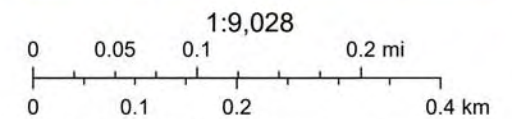


September 26, 2024

- IE Johnson Affordable Housing
- Flood Hazard Zones
- 1% Annual Chance Flood Hazard
- Regulatory Floodway
- Special Floodway

- Area of Undetermined Flood Hazard
- 0.2% Annual Chance Flood Hazard
- Future Conditions 1% Annual Chance Flood Hazard
- Area with Reduced Risk Due to Levee
- Area with Risk Due to Levee

- Wetlands
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Riverine
- Project Buffer



NC CGIA, Maxar, Esri Community Maps Contributors, State of North Carolina DOT, © OpenStreetMap, Microsoft, Esri, TomTom, Garmin, SafeGraph,



P.O. Box 244 Bunnlevel, NC 28323 (910) 890-2779

Jonathan Locklear
Locklear, Locklear & Jacobs PLLC
jonathanlocklear@llandj.com

December 17, 2024

Subject: Wetland Investigation on 700 Corona Avenue
PINs: 01008001002 & 0100800100201

Dear Mr Locklear,

A site investigation and wetland delineation based upon section 404/401 of the Clean Water Act has been conducted for the above referenced property, located at 700 Corona Avenue, Laurinburg, Scotland County, North Carolina ("site"). The purpose of this investigation was to determine the existence and extent of areas that exhibit the characteristics of jurisdictional wetlands under Section 404 of the Clean Water Act. All wetland investigations were completed in accordance with the 1987 US Army Corps of Engineers Wetland Delineation Manual and the Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Atlantic and Gulf Coastal Plain Region (Version 2.0).

This report represents my professional opinion that areas that clearly meet the required criteria for jurisdictional wetlands were NOT observed at the site. These criteria include hydric soils, hydrophytic vegetation and wetland hydrology. Additionally, no non-jurisdictional wetlands were found on the tract either. The wetland system indicated on the National Wetland Inventory located to the southeast of the tract does NOT extend onto the two reviewed tracts. If you prefer, Wetland Solutions can pursue concurrence by the US Army Corps of Engineers or the NC Department of Environmental Quality; Division of Water Resources.

I appreciate the opportunity to provide this service and trust that you will feel free to call on me again in the future. If you have any questions or need additional information, please contact me at your convenience.

Sincerely,

Samuel Adam Carter

Smauel Adam Carter
Senior Environmental Scientist



Project Name: 700 Carona Avenue
Location: Laurinburg, Scotland County, NC 28352
PINs: 01008001002 & 0100800100201
Wetland Delineation Map - No wetland indicators on site



Figure: 1
October 30, 2024

PRELIMINARY JURISDICTIONAL DETERMINATION (PJD) FORM

BACKGROUND INFORMATION

A. REPORT COMPLETION DATE FOR PJD: #CURRENT_DATE_TRADITIONAL#

B. NAME AND ADDRESS OF PERSON REQUESTING PJD: Adam Carter, Wetland Solutions, LLC PO Box 244
Bunnlevel, NC 28323

C. DISTRICT OFFICE, FILE NAME, AND NUMBER: Wilmington, #FOLDER_NAME#,
#FOLDER_DA_NUMBER#

PROJECT LOCATION(S) AND BACKGROUND INFORMATION: 700 Carona Avenue
(USE THE TABLE BELOW TO DOCUMENT MULTIPLE AQUATIC RESOURCES AND/OR
AQUATIC RESOURCES AT DIFFERENT SITES)

State: NC

County/parish/borough: Scotland

City: Laurinburg

Center coordinates of site (lat/long in degree decimal format): Lat.: 34.781095° Long.: -79.444715°

Universal Transverse Mercator: 17N

HUC: Lumber 03040204

Name of nearest waterbody: UT to Leith Creek (Johns Pond). Class: C; Sw

D. REVIEW PERFORMED FOR SITE EVALUATION (CHECK ALL THAT APPLY):

☐ Office (Desk) Determination. Date:

☐ Field Determination. Date(s):

TABLE OF AQUATIC RESOURCES IN REVIEW AREA WHICH "MAY BE" SUBJECT TO REGULATORY JURISDICTION.

Site Number	Latitude (decimal degrees)	Longitude (decimal degrees)	Estimated amount of aquatic resources in review area (acreage and linear feet, if applicable)	Type of aquatic resources (i.e., wetland vs. non-wetland waters)	Geographic authority to which the aquatic resource "may be" subject (i.e., Section 404 or Section 10/404)
			NA	Wetland	Section 404
			NA	Open water	Section 10/404
			NA	Non-wetland	Section 10/404

- 1) The Corps of Engineers believes that there may be jurisdictional aquatic resources in the review area, and the requestor of this PJD is hereby advised of his or her option to request and obtain an approved JD (AJD) for that review area based on an informed decision after having discussed the various types of JDs and their characteristics and circumstances when they may be appropriate.
- 2) In any circumstance where a permit applicant obtains an individual permit, or a Nationwide General Permit (NWP) or other general permit verification requiring "pre- construction notification" (PCN), or requests verification for a non-reporting NWP or other general permit, and the permit applicant has not requested an AJD for the activity, the permit applicant is hereby made aware that: (1) the permit applicant has elected to seek a permit authorization based on a PJD, which does not make an official determination of jurisdictional aquatic resources; (2) the applicant has the option to request an AJD before accepting the terms and conditions of the permit authorization, and that basing a permit authorization on an AJD could possibly result in less compensatory mitigation being required or different special conditions; (3) the applicant has the right to request an individual permit rather than accepting the terms and conditions of the NWP or other general permit authorization; (4) the applicant can accept a permit authorization and thereby agree to comply with all the terms and conditions of that permit, including whatever mitigation requirements the Corps has determined to be necessary; (5) undertaking any activity in reliance upon the subject permit authorization without requesting an AJD constitutes the applicant's acceptance of the use of the PJD; (6) accepting a permit authorization (e.g., signing a proffered individual permit) or undertaking any activity in reliance on any form of Corps permit authorization based on a PJD constitutes agreement that all aquatic resources in the review area affected in any way by that activity will be treated as jurisdictional, and waives any challenge to such jurisdiction in any administrative or judicial compliance or enforcement action, or in any administrative appeal or in any Federal court; and (7) whether the applicant elects to use either an AJD or a PJD, the JD will be processed as soon as practicable. Further, an AJD, a proffered individual permit (and all terms and conditions contained therein), or individual permit denial can be administratively appealed pursuant to 33 C.F.R. Part 331. If, during an administrative appeal, it becomes appropriate to make an official determination whether geographic jurisdiction exists over aquatic resources in the review area, or to provide an official delineation of jurisdictional aquatic resources in the review area, the Corps will provide an AJD to accomplish that result, as soon as is practicable. This PJD finds that there "*may be*" waters of the U.S. and/or that there "*may be*" navigable waters of the U.S. on the subject review area, and identifies all aquatic features in the review area that could be affected by the proposed activity, based on the following information:

SUPPORTING DATA. Data reviewed for PJD (check all that apply)

Checked items should be included in subject file. Appropriately reference sources below where indicated for all checked items:

- ☐ Maps, plans, plots or plat submitted by or on behalf of the PJD requestor:
Map: _____
- ☒ Data sheets prepared/submitted by or on behalf of the PJD requestor.
☐ Office concurs with data sheets/delineation report.
☐ Office does not concur with data sheets/delineation report. Rationale: _____
- ☐ Data sheets prepared by the Corps: _____
- ☐ Corps navigable waters' study: _____
- ☐ U.S. Geological Survey Hydrologic Atlas: _____
☐ USGS NHD data.
☐ USGS 8 and 12 digit HUC maps.
- ☒ U.S. Geological Survey map(s). Cite scale & quad name: 24K; Laurinburg Quad
- ☒ Natural Resources Conservation Service Soil Survey. Citation: SSURGO_20220121
- ☒ National wetlands inventory map(s). Cite name: USFWS 20240517
- ☐ State/local wetland inventory map(s): _____
- ☒ FEMA/FIRM maps: FIRM Panel: 3710836700
- ☐ 100-year Floodplain Elevation is: _____ (National Geodetic Vertical Datum of 1929)
- ☒ Photographs: ☒ Aerial (Name & Date): Maxar 7/21/2023
or ☐ Other (Name & Date): _____
- ☐ Previous determination(s). File no. and date of response letter: _____
- ☐ Other information (please specify): _____

IMPORTANT NOTE: The information recorded on this form has not necessarily been verified by the Corps and should not be relied upon for later jurisdictional determinations.

Signature and date of Regulatory
staff member completing PJD

Adam Carter 11/14/2024
Signature and date of person
requesting PJD (REQUIRED,
unless obtaining the signature
is impracticable)¹

¹ Districts may establish timeframes for requester to return signed PJD forms. If the requester does not respond within the established time frame, the district may presume concurrence and no additional follow up is necessary prior to finalizing an action.

Jurisdictional Determination Request



**US Army Corps
of Engineers**
Wilmington District

This form is intended for use by anyone requesting a jurisdictional determination (JD) from the U.S. Army Corps of Engineers, Wilmington District (Corps). Please include all supporting information, as described within each category, with your request. You may submit your request via mail, electronic mail, or facsimile. Requests should be sent to the appropriate project manager of the county in which the property is located. A current list of project managers by assigned counties can be found on-line at:

<http://www.saw.usace.army.mil/Missions/RegulatoryPermitProgram/Contact/CountyLocator.aspx>, by calling 910-251-4633, or by contacting any of the field offices listed below. Once your request is received you will be contacted by a Corps project manager.

ASHEVILLE & CHARLOTTE REGULATORY FIELD OFFICES

US Army Corps of Engineers
151 Patton Avenue, Room 208
Asheville, North Carolina 28801-5006
General Number: (828) 271-7980
Fax Number: (828) 281-8120

WASHINGTON REGULATORY FIELD OFFICE

US Army Corps of Engineers
2407 West Fifth Street
Washington, North Carolina 27889
General Number: (910) 251-4610
Fax Number: (252) 975-1399

RALEIGH REGULATORY FIELD OFFICE

US Army Corps of Engineers
3331 Heritage Trade Drive, Suite 105
Wake Forest, North Carolina 27587
General Number: (919) 554-4884
Fax Number: (919) 562-0421

WILMINGTON REGULATORY FIELD OFFICE

US Army Corps of Engineers
69 Darlington Avenue
Wilmington, North Carolina 28403
General Number: 910-251-4633
Fax Number: (910) 251-4025

INSTRUCTIONS:

All requestors must complete Parts A, B, C, D, E, F and G.

NOTE TO CONSULTANTS AND AGENCIES: If you are requesting a JD on behalf of a paying client or your agency, please note the specific submittal requirements in **Part H**.

NOTE ON PART D – PROPERTY OWNER AUTHORIZATION: Please be aware that all JD requests must include the current property owner authorization for the Corps to proceed with the determination, which may include inspection of the property when necessary. This form must be signed by the current property owner(s) or the owner(s) authorized agent to be considered a complete request.

NOTE ON PART D - NCDOT REQUESTS: Property owner authorization/notification for JD requests associated with North Carolina Department of Transportation (NCDOT) projects will be conducted according to the current NCDOT/USACE protocols.

NOTE TO USDA PROGRAM PARTICIPANTS: A Corps approved or preliminary JD may not be valid for the wetland conservation provisions of the Food Security Act of 1985. If you or your tenant are USDA Program participants, or anticipate participation in USDA programs, you should also request a certified wetland determination from the local office of the Natural Resources Conservation Service, prior to starting work.

Jurisdictional Determination Request

A. PARCEL INFORMATION

Street Address: _____

City, State: _____

County: _____

Parcel Index Number(s) (PIN): _____

B. REQUESTOR INFORMATION

Name: _____

Mailing Address: _____

Telephone Number: _____

Electronic Mail Address: _____

Select one:

☐

I am the current property owner.

☐

I am an Authorized Agent or Environmental Consultant¹

☐

Interested Buyer or Under Contract to Purchase

☐

Other, please explain. _____

C. PROPERTY OWNER INFORMATION²

Name: _____

Mailing Address: _____

Telephone Number: _____

Electronic Mail Address: _____

¹ Must provide completed Agent Authorization Form/Letter.

² Documentation of ownership also needs to be provided with request (copy of Deed, County GIS/Parcel/Tax Record).

Jurisdictional Determination Request

D. PROPERTY ACCESS CERTIFICATION^{3,4}

By signing below, I authorize representatives of the Wilmington District, U.S. Army Corps of Engineers (Corps) to enter upon the property herein described for the purpose of conducting on-site investigations, if necessary, and issuing a jurisdictional determination pursuant to Section 404 of the Clean Water Act and/or Section 10 of the Rivers and Harbors Act of 1899. I, the undersigned, am either a duly authorized owner of record of the property identified herein, or acting as the duly authorized agent of the owner of record of the property.

Print Name

Capacity: ☐ Owner ☐ Authorized Agent⁵

Date

Adam Carter

Signature

E. REASON FOR JD REQUEST: (Check as many as applicable)

- ☐ I intend to construct/develop a project or perform activities on this parcel which would be designed to avoid all aquatic resources.
- ☐ I intend to construct/develop a project or perform activities on this parcel which would be designed to avoid all jurisdictional aquatic resources under Corps authority.
- ☐ I intend to construct/develop a project or perform activities on this parcel which may require authorization from the Corps, and the JD would be used to avoid and minimize impacts to jurisdictional aquatic resources and as an initial step in a future permitting process.
- ☐ I intend to construct/develop a project or perform activities on this parcel which may require authorization from the Corps; this request is accompanied by my permit application and the JD is to be used in the permitting process.
- ☐ I intend to construct/develop a project or perform activities in a navigable water of the U.S. which is included on the district Section 10 list and/or is subject to the ebb and flow of the tide.
- ☐ A Corps JD is required in order obtain my local/state authorization.
- ☐ I intend to contest jurisdiction over a particular aquatic resource and request the Corps confirm that jurisdiction does/does not exist over the aquatic resource on the parcel.
- ☐ I believe that the site may be comprised entirely of dry land.
- ☐ Other: _____

³ For NCDOT requests following the current NCDOT/USACE protocols, skip to Part E.

⁴ If there are multiple parcels owned by different parties, please provide the following for each additional parcel on a continuation sheet.

⁵ Must provide agent authorization form/letter signed by owner(s).

Jurisdictional Determination Request

F. JURISDICTIONAL DETERMINATION (JD) TYPE (Select One)

☐ I am requesting that the Corps provide a preliminary JD for the property identified herein.

A Preliminary Jurisdictional Determination (PJD) provides an indication that there may be “waters of the United States” or “navigable waters of the United States” on a property. PJDs are sufficient as the basis for permit decisions. For the purposes of permitting, all waters and wetlands on the property will be treated as if they are jurisdictional “waters of the United States”. PJDs cannot be appealed (33 C.F.R. 331.2); however, a PJD is “preliminary” in the sense that an approved JD can be requested at any time. PJDs do not expire.

☐ I am requesting that the Corps provide an approved JD for the property identified herein.

An Approved Jurisdictional Determination (AJD) is a determination that jurisdictional “waters of the United States” or “navigable waters of the United States” are either present or absent on a site. An approved JD identifies the limits of waters on a site determined to be jurisdictional under the Clean Water Act and/or Rivers and Harbors Act. Approved JDs are sufficient as the basis for permit decisions. AJDs are appealable (33 C.F.R. 331.2). The results of the AJD will be posted on the Corps website. A landowner, permit applicant, or other “affected party” (33 C.F.R. 331.2) who receives an AJD may rely upon the AJD for five years (subject to certain limited exceptions explained in Regulatory Guidance Letter 05-02).

☐ I am unclear as to which JD I would like to request and require additional information to inform my decision.

G. ALL REQUESTS

☐ Map of Property or Project Area. This Map must clearly depict the boundaries of the review area.

☐ Size of Property or Review Area _____ acres.

☐ The property boundary (or review area boundary) is clearly physically marked on the site.

Jurisdictional Determination Request

H. REQUESTS FROM CONSULTANTS

☐

Project Coordinates (Decimal Degrees): Latitude: _____
Longitude: _____

☐

A legible delineation map depicting the aquatic resources and the property/review area. Delineation maps must be no larger than 11x17 and should contain the following: (Corps signature of submitted survey plats will occur after the submitted delineation map has been reviewed and approved).⁶

- North Arrow
- Graphical Scale
- Boundary of Review Area
- Date
- Location of data points for each Wetland Determination Data Form or tributary assessment reach.

For Approved Jurisdictional Determinations:

- Jurisdictional wetland features should be labeled as Wetland Waters of the US, 404 wetlands, etc. Please include the acreage of these features.
- Jurisdictional non-wetland features (i.e. tidal/navigable waters, tributaries, impoundments) should be labeled as Non-Wetland Waters of the US, stream, tributary, open water, relatively permanent water, pond, etc. Please include the acreage or linear length of each of these features as appropriate.
- Isolated waters, waters that lack a significant nexus to navigable waters, or non-jurisdictional upland features should be identified as Non-Jurisdictional. Please include a justification in the label regarding why the feature is non-jurisdictional (i.e. “Isolated”, “No Significant Nexus”, or “Upland Feature”). Please include the acreage or linear length of these features as appropriate.

For Preliminary Jurisdictional Determinations:

- Wetland and non-wetland features should not be identified as Jurisdictional, 404, Waters of the United States, or anything that implies jurisdiction. These features can be identified as Potential Waters of the United States, Potential Non-wetland Waters of the United States, wetland, stream, open water, etc. Please include the acreage and linear length of these features as appropriate.

☐

Completed Wetland Determination Data Forms for appropriate region
(at least one wetland and one upland form needs to be completed for each wetland type)

⁶ Please refer to the guidance document titled “Survey Standards for Jurisdictional Determinations” to ensure that the supplied map meets the necessary mapping standards. <http://www.saw.usace.army.mil/Missions/Regulatory-Permit-Program/Jurisdiction/>

Jurisdictional Determination Request

- ☐ Completed appropriate Jurisdictional Determination form
 - **PJDs**, please complete a Preliminary Jurisdictional Determination Form⁷ and include the Aquatic Resource Table
 - **AJDs**, please complete an Approved Jurisdictional Determination Form⁸
- ☐ Vicinity Map
- ☐ Aerial Photograph
- ☐ USGS Topographic Map
- ☐ Soil Survey Map
- ☐ Other Maps, as appropriate (e.g. National Wetland Inventory Map, Proposed Site Plan, previous delineation maps, LIDAR maps, FEMA floodplain maps)
- ☐ Landscape Photos (if taken)
- ☐ NCSAM and/or NCWAM Assessment Forms and Rating Sheets
- ☐ NC Division of Water Resources Stream Identification Forms
- ☐ Other Assessment Forms

⁷ www.saw.usace.army.mil/Portals/59/docs/regulatory/regdocs/JD/RGL_08-02_App_A_Prelim_JD_Form_fillable.pdf

⁸ Please see <http://www.saw.usace.army.mil/Missions/Regulatory-Permit-Program/Jurisdiction/>

Principal Purpose: The information that you provide will be used in evaluating your request to determine whether there are any aquatic resources within the project area subject to federal jurisdiction under the regulatory authorities referenced above.

Routine Uses: This information may be shared with the Department of Justice and other federal, state, and local government agencies, and the public, and may be made available as part of a public notice as required by federal law. Your name and property location where federal jurisdiction is to be determined will be included in the approved jurisdictional determination (AJD), which will be made available to the public on the District's website and on the Headquarters USAGE website.

Disclosure: Submission of requested information is voluntary; however, if information is not provided, the request for an AJD cannot be evaluated nor can an AJD be issued.



Survey Standards for Jurisdictional Determinations

Please note that the approval and signature of survey plats will only be done in association with an Approved Jurisdictional Determination. The Corps accepts both electronic and hardcopy plats for signature, however this will be at the discretion of the project manager. If a hard copy is submitted, the Corps requires that all hard-copy submittals include at least one original Plat (to scale) that is no larger than 11"x17". Submitted plats must be legible, including labeling (the use of match lines for larger tracts are encouraged). Additional copies of a plat, including those larger than 11"x17", may also be submitted for Corps signature as needed. Prior to final production of a plat, the Wilmington District recommends that the surveyor electronically submit a draft of the survey to the Corps project manager for review.

PLATS SUBMITTED FOR APPROVAL

- ☐ Must be signed and sealed by a licensed professional land surveyor
- ☐ Must be to scale (all maps must include an accurate graphic scale and verbal scale)
- ☐ Must include a North Arrow, Scale(s), Title, Property Information
- ☐ Must clearly depict surveyed property or project boundaries
- ☐ Must clearly identify the known surveyed point(s) used as reference (e.g. property corner, USGS monument)
- ☐ Jurisdictional wetlands depicted on the survey should:
 - Be labeled as Wetland Waters of the US, 404 wetlands, wetlands, etc.
 - Include acreage (or square footage) of wetland polygons
 - Identify each wetland polygon using an alphanumeric system
- ☐ Jurisdictional non-wetland waters (non-wetland tidal/navigable waters, tributaries, impoundments, ditches, etc.) depicted on the survey should:
 - Be labeled as Non-Wetland Waters of the US, stream, tributary, open water, relatively permanent waters (RPW), pond, etc.
 - Mark the centerline of linear waters (tributaries), with approximate widths to the Ordinary High Water Mark (OHMW) OR a surveyed OHWM boundary of the tributary.
 - List the linear footage of linear features and area (using approximate widths)
 - Mark the extent of OHMW for non-linear waters such as lakes, ponds, etc.
 - List the acreage of non-linear features
 - Identify each feature using an alphanumeric system

- ☐ Isolated waters, waters that lack a significant nexus to navigable waters, or non-jurisdictional upland features should be identified as non-jurisdictional. Please include the acreage and/or linear length of these features as appropriate.
- ☐ Must include a legible Waters of the United States (wetlands and other waters) Delineation Table of distances and bearings/metes and bounds/GPS coordinates of all surveyed delineation points
- ☐ Must ensure that all depicted wetlands or other waters intersect or tie-to surveyed project/property boundaries

CERTIFICATION LANGUAGE

- ☐ Plats submitted for Corps approval should include the following Certification language when the entire actual Jurisdictional Boundary is depicted:

"This certifies that this copy of this plat accurately depicts the boundary of the jurisdiction of the Section 404 of the Clean Water Act as determined by the undersigned on this date. Unless there is change in the law or our published regulations, this determination of Section 404 jurisdiction may be relied upon for a period not to exceed five years from this date. The undersigned completed this determination utilizing the appropriate Regional Supplement to the 1987 U.S. Army Corps of Engineers Wetlands Delineation Manual, 33 C.F.R. part 328 and other U.S. Army Corps of Engineers guidance."

Regulatory Official: _____

Title: _____

Date: _____

USACE Action ID No.: _____

- ☐ Plats submitted for Corps approval should include the following Certification language when uplands may be present within a depicted Jurisdictional Boundary:

"This certifies that this copy of this plat identifies all areas of waters of the United States regulated pursuant to Section 404 of the Clean Water Act as determined by the undersigned on this date. Unless there is change in the law or our published regulations, this determination of Section 404 jurisdiction may be relied upon for a period not to exceed five years from this date. The undersigned completed this determination utilizing the appropriate Regional Supplement to the 1987 U.S. Army Corps of Engineers Wetlands Delineation Manual, 33 C.F.R. part 328 and other U.S. Army Corps of Engineers guidance."

Regulatory Official: _____

Title: _____

Date: _____

USACE Action ID No.: _____

GPS SURVEYS

For surveys prepared using a Global Positioning System (GPS), the survey must include all of the above, as well as:

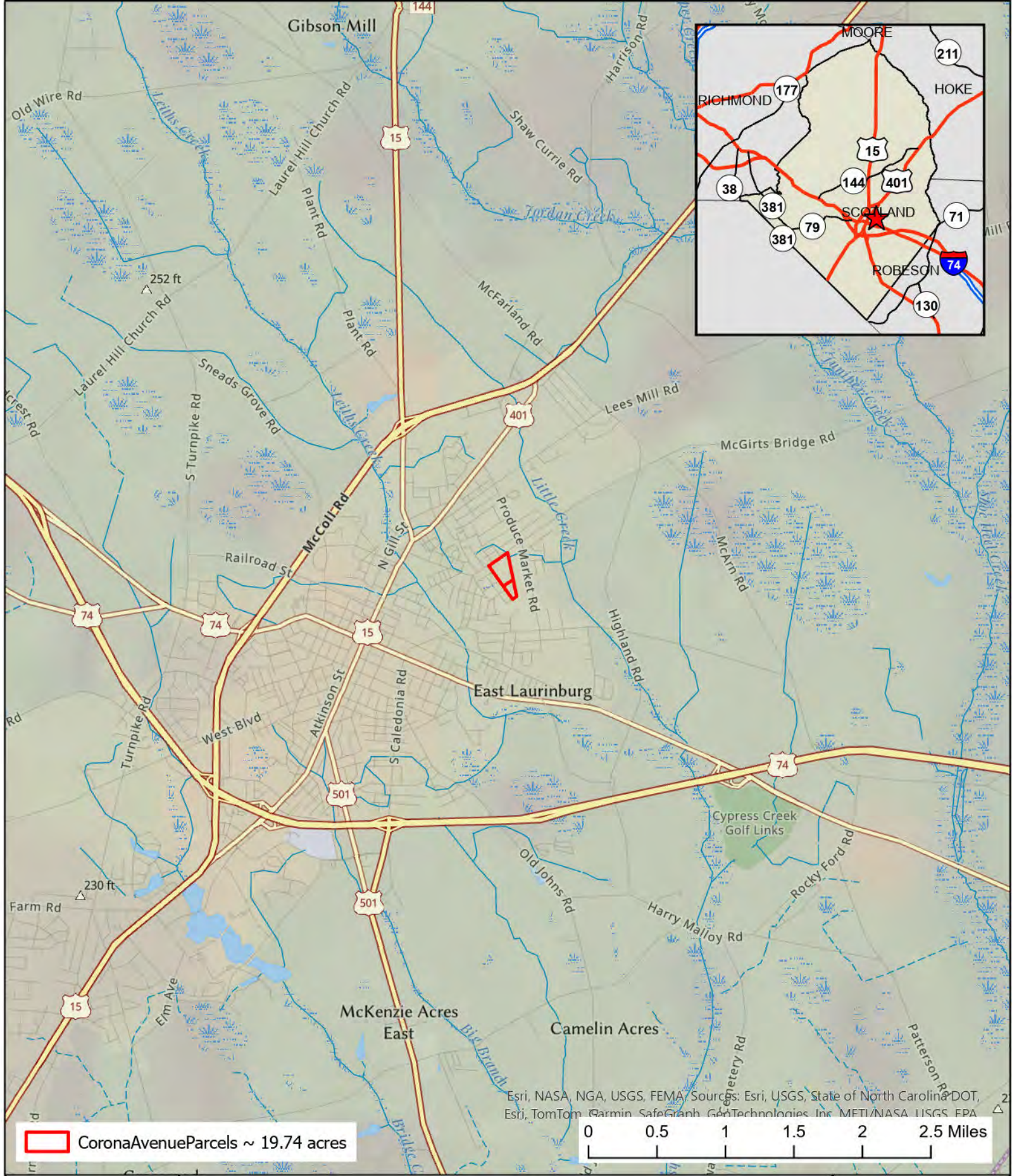
- ☐ be at sub-meter accuracy at each survey point.
- ☐ include an accuracy verification. One of more of the known points (property corner, monument) shall be located with the GPS and cross referenced with the existing traditional property survey (metes and bounds).
- ☐ include a brief description of the GPS equipment utilized.



Project Name: 700 Carona Avenue
Location: Laurinburg, Scotland County, NC 28352
PINs: 01008001002 & 0100800100201
Wetland Delineation Map - No wetland indicators on site



Figure: 1
October 30, 2024



 Corona Avenue Parcels ~ 19.74 acres

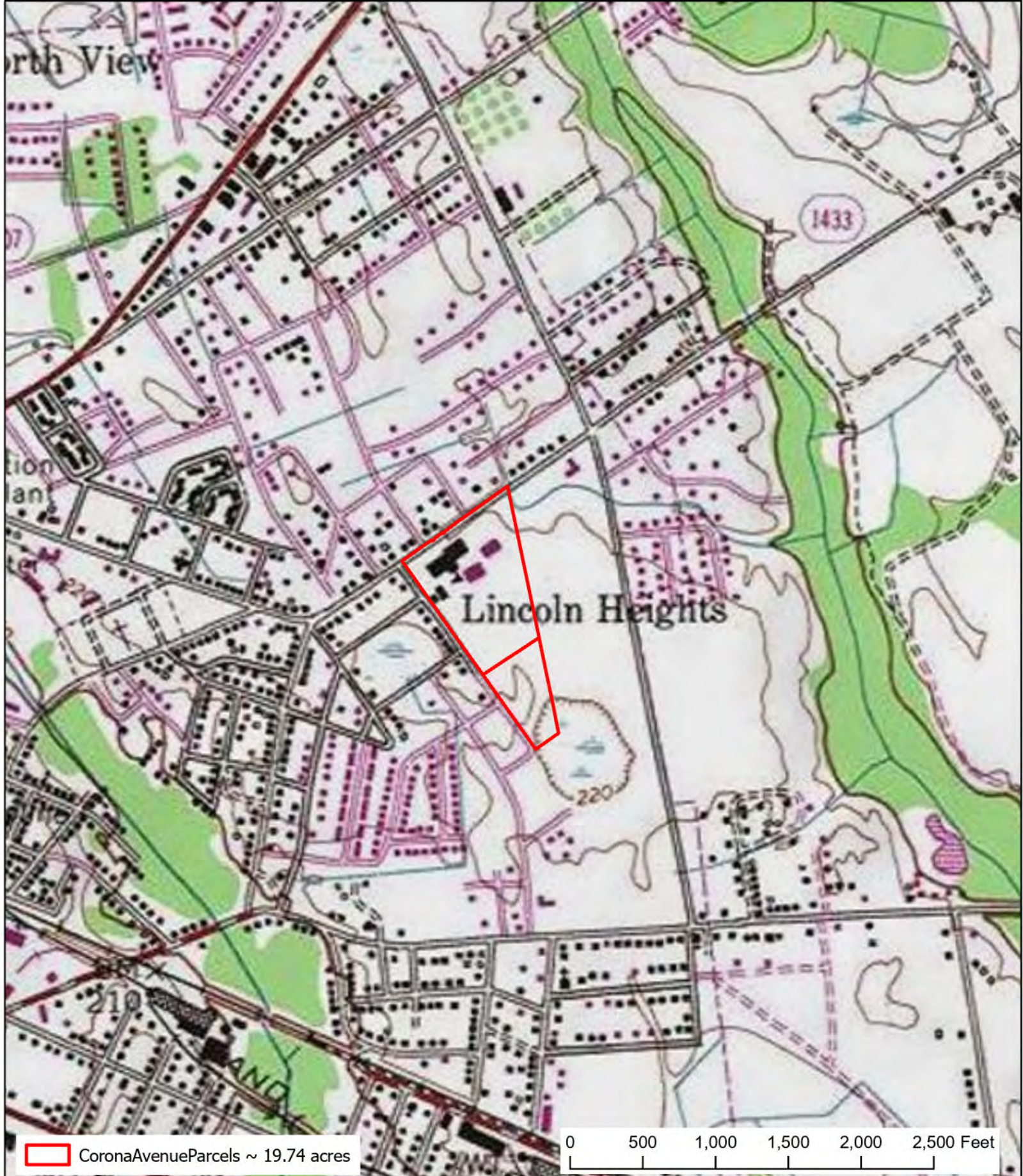
Esri, NASA, NGA, USGS, FEMA Sources: Esri, USGS, State of North Carolina DOT, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc. METI/NASA USGS EPA



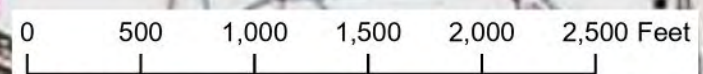
Project Name: 700 Carona Avenue
Location: Laurinburg, Scotland County, NC 28352
PINs: 01008001002 & 0100800100201
Project Location



Figure: 2
Nov 13, 2024



Corona Avenue Parcels ~ 19.74 acres



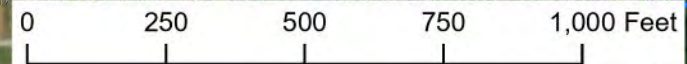
Project Name: 700 Carona Avenue
Location: Laurinburg, Scotland County, NC 28352
PINs: 01008001002 & 0100800100201
USGS 7.5-Minute Topo; Laurinburg Quadrangle



Figure: 3
Nov 13, 2024



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Project Name: 700 Carona Avenue
Location: Laurinburg, Scotland County, NC 28352
PINs: 01008001002 & 0100800100201
NRCS Soil Survey Geographic






Figure: 4
Nov 13, 2024



 Corona Avenue Parcels ~ 19.74 acres

Wetland Type (Cowardin)

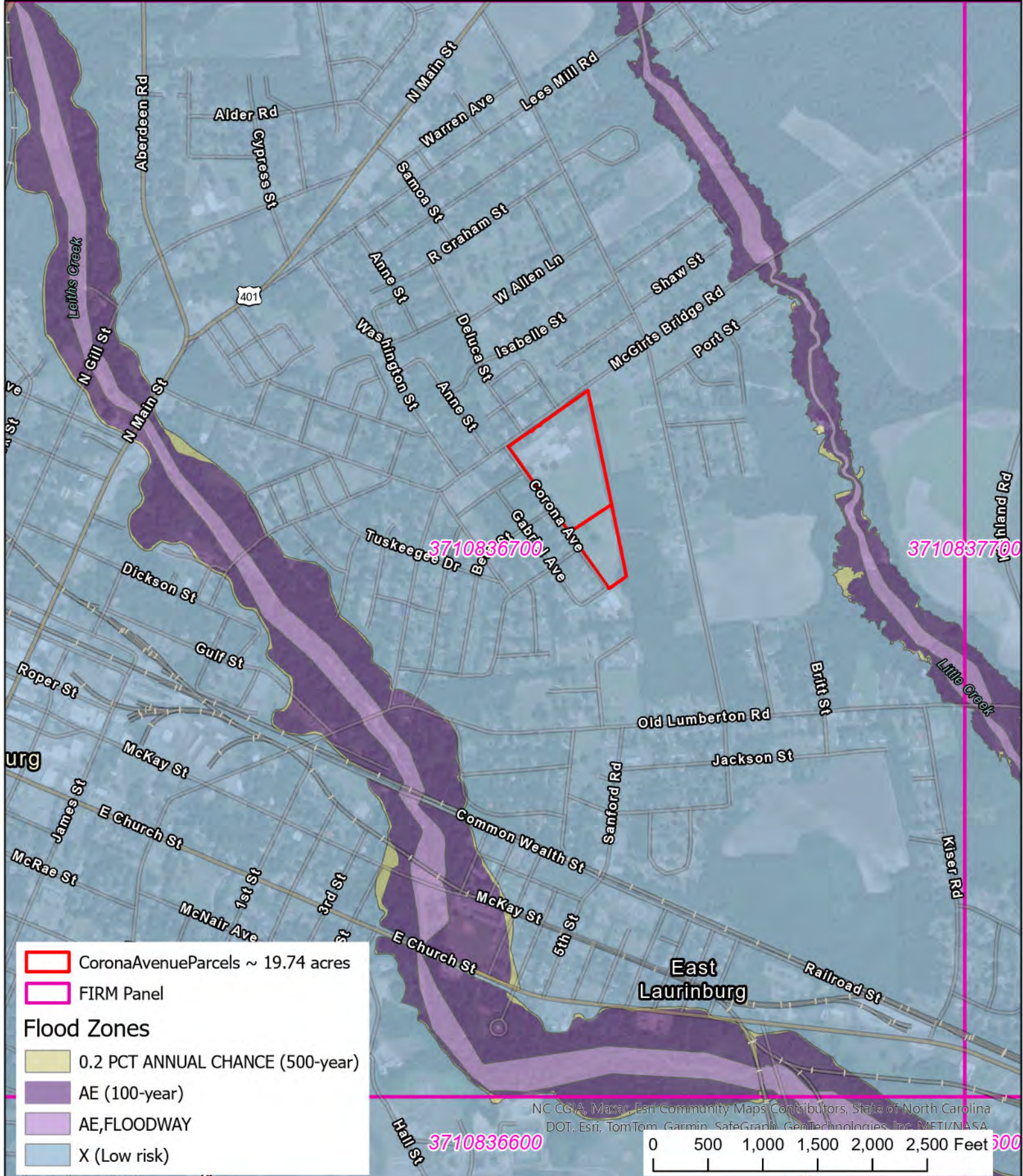
-  Freshwater Emergent Wetland
-  Freshwater Forested/Shrub Wetland
-  Riverine



Project Name: 700 Carona Avenue
Location: Laurinburg, Scotland County, NC 28352
PINs: 01008001002 & 0100800100201
USFWS National Wetland Inventory (20240517)



Figure: 5
Nov 13, 2024



Corona Avenue Parcels ~ 19.74 acres

FIRM Panel

Flood Zones

0.2 PCT ANNUAL CHANCE (500-year)

AE (100-year)

AE, FLOODWAY

X (Low risk)

Project Name: 700 Carona Avenue
Location: Laurinburg, Scotland County, NC 28352
PINs: 01008001002 & 0100800100201
NC Flood Risk Information System



Figure: 6
Nov 13, 2024



Agent Authorization Letter

November 14, 2024

Owner Information

Owner Name : Scotland County

Mailing Address: PO Box 488

City, State, Zip: Laurinburg NC 28353

Phone#:

Property Description

PINs: 01008001002 & 0100800100201

Project: 700 Corona Avenue

Address: 700 Corona Avenue

Laurinburg NC 28352

County: Scotland

I, _____, as owner/agent of the above referenced property, authorize the US Army Corps of Engineers and NCDWR to enter the subject property for the purpose of a jurisdictional determination.

I also authorize Mr. Adam Carter of Wetland Solutions, LLC to act in my behalf as my agent in processing applications for wetland certification and/or permits.

Signature

Title

Date

Wetland Solutions, LLC PO Box 244 Bunnlevel, NC 28323

(910) 890-2779

Adam@WetlandNC.com

www.WetlandNC.com

Project/Site: _____ City/County: _____ Sampling Date: _____
 Applicant/Owner: _____ State: _____ Sampling Point: _____
 Investigator(s): _____ Section, Township, Range: _____
 Landform (hillslope, terrace, etc.): _____ Local relief (concave, convex, none): _____ Slope (%): _____
 Subregion (LRR or MLRA): _____ Lat: _____ Long: _____ Datum: _____
 Soil Map Unit Name: _____ NWI classification: _____

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Yes _____ No _____ Hydric Soil Present? Yes _____ No _____ Wetland Hydrology Present? Yes _____ No _____	Is the Sampled Area within a Wetland? Yes _____ No _____
Remarks:	

Wetland Hydrology Indicators: <u>Primary Indicators (minimum of one is required; check all that apply)</u>			Secondary Indicators (minimum of two required)		
<input type="checkbox"/> Surface Water (A1) <input type="checkbox"/> Aquatic Fauna (B13)			<input type="checkbox"/> Surface Soil Cracks (B6)		
<input type="checkbox"/> High Water Table (A2) <input type="checkbox"/> Marl Deposits (B15) (LRR U)			<input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)		
<input type="checkbox"/> Saturation (A3) <input type="checkbox"/> Hydrogen Sulfide Odor (C1)			<input type="checkbox"/> Drainage Patterns (B10)		
<input type="checkbox"/> Water Marks (B1) <input type="checkbox"/> Oxidized Rhizospheres along Living Roots (C3)			<input type="checkbox"/> Moss Trim Lines (B16)		
<input type="checkbox"/> Sediment Deposits (B2) <input type="checkbox"/> Presence of Reduced Iron (C4)			<input type="checkbox"/> Dry-Season Water Table (C2)		
<input type="checkbox"/> Drift Deposits (B3) <input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6)			<input type="checkbox"/> Crayfish Burrows (C8)		
<input type="checkbox"/> Algal Mat or Crust (B4) <input type="checkbox"/> Thin Muck Surface (C7)			<input type="checkbox"/> Saturation Visible on Aerial Imagery (C9)		
<input type="checkbox"/> Iron Deposits (B5) <input type="checkbox"/> Other (Explain in Remarks)			<input type="checkbox"/> Geomorphic Position (D2)		
<input type="checkbox"/> Inundation Visible on Aerial Imagery (B7)			<input type="checkbox"/> Shallow Aquitard (D3)		
<input type="checkbox"/> Water-Stained Leaves (B9)			<input type="checkbox"/> FAC-Neutral Test (D5)		
			<input type="checkbox"/> Sphagnum moss (D8) (LRR T, U)		
Field Observations:			Wetland Hydrology Present? Yes _____ No _____		
Surface Water Present? Yes _____ No _____ Depth (inches): _____					
Water Table Present? Yes _____ No _____ Depth (inches): _____					
Saturation Present? Yes _____ No _____ Depth (inches): _____ (includes capillary fringe)					
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:					
Remarks:					

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

Sampling Point: _____

Tree Stratum (Plot size: _____)	Absolute % Cover	Dominant Species?	Indicator Status	
1. _____				
2. _____				
3. _____				
4. _____				
5. _____				
6. _____				
_____ = Total Cover				
50% of total cover: _____ 20% of total cover: _____				
Sapling Stratum (Plot size: _____)				
1. _____				
2. _____				
3. _____				
4. _____				
5. _____				
6. _____				
_____ = Total Cover				
50% of total cover: _____ 20% of total cover: _____				
Shrub Stratum (Plot size: _____)				
1. _____				
2. _____				
3. _____				
4. _____				
5. _____				
6. _____				
_____ = Total Cover				
50% of total cover: _____ 20% of total cover: _____				
Herb Stratum (Plot size: _____)				
1. _____				
2. _____				
3. _____				
4. _____				
5. _____				
6. _____				
7. _____				
8. _____				
9. _____				
10. _____				
11. _____				
_____ = Total Cover				
50% of total cover: _____ 20% of total cover: _____				
Woody Vine Stratum (Plot size: _____)				
1. _____				
2. _____				
3. _____				
4. _____				
5. _____				
_____ = Total Cover				
50% of total cover: _____ 20% of total cover: _____				
Remarks: (If observed, list morphological adaptations below).				

Dominance Test worksheet:
 Number of Dominant Species That Are OBL, FACW, or FAC: _____ (A)

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

 Percent of Dominant Species That Are OBL, FACW, or FAC: _____ (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 $\leq 3.0^1$
 ___ Problematic Hydrophytic Vegetation¹ (Explain)

Definitions of Five Vegetation Strata:

Tree – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and 3 in. (7.6 cm) or larger in diameter at breast height (DBH).

Sapling – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and less than 3 in. (7.6 cm) DBH.

Shrub – Woody plants, excluding woody vines, approximately 3 to 20 ft (1 to 6 m) in height.

Herb – All herbaceous (non-woody) plants, including herbaceous vines, regardless of size, and woody plants, except woody vines, less than approximately 3 ft (1 m) in height.

Woody vine – All woody vines, regardless of height.

Hydrophytic Vegetation Present? Yes _____ No _____

SOIL

Sampling Point: _____

[illegible]



Isabelle St

Anne St

Deluca St

Memory Ln

McGirts Bridge Rd

Lila Dr

Cliffdale Dr

Isabelle St

s Bridge Rd

Alpha St

Alpha St

Roseville St

Corona Ave

Beta St

Gabriel Ave

Tuskegee Dr

N Caledonia Rd

Alpha St

Beta St

Roseville St

Gamma St

Elliott Dr

Delta St

Produce Market Rd

Johnson St

Source: Esri, USDA FSA, Source: Esri, Maxar, Earthstar, GeoGraphics, and the GIS User Community, Esri Community
Map Contributors, State of North Carolina DOT, ©OpenStreetMap, Microsoft, Esri, TomTom, Garmin, SafeGraph,
GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA, USFWS



Parcel #1 IE Johnson/Scotland Affordable Housing Report

Area of Interest (AOI) Information

Area : 15.05 acres

Mar 21 2024 9:38:40 Eastern Daylight Time



- Address Points
- County Boundaries
- City Limits
- Extraterritorial Jurisdictions
- Parcels

1:2,257

0 0.01 0.03 0.06 mi
0 0.03 0.05 0.1 km

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Parcels

#	Name	Address1	Address2	Address3	City
1	SCOTLAND COUNTY BOARD OF	EDUCATION	No Data	322 S MAIN ST	LAURINBURG

#	State	ZipCode	PropertyAd	AccountNum	PINID
1	NC	283523834	815 MCGIRTS BRIDGE RD	7072011.000000	01008001002

#	AssessedVa	BuildingVa	CountyTaxC	DeedBook	DeedDate
1	0	2,583,220	C	No Data	0

#	DeedPage	DeedStamps	ExemptionC	FireTaxCod	LegalDescr
1	0.000000	0	No Data	No Data	I E JOHNSON SCHOOL

#	MarketLand	MarketValu	ObxfValue	Area(acres)
1	178,640	2,786,610	24,750	15.05

Zoning Codes in Laurinburg

#	Zoning Code	Area(acres)
1	O-I	15.05

City Limits

#	City Name	Area(acres)
1	Laurinburg	15.05

This product is for informational purposes and may not have been prepared for, or be suitable for legal, engineering, or surveying purposes. Users of this information should review or consult the primary data and information sources to ascertain the usability of the information.



Parcel #2 - Scotland Affordable Housing Dev. Report

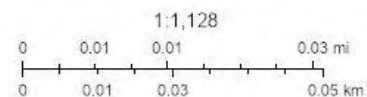
Area of Interest (AOI) Information

Area : 4.69 acres

Mar 21 2024 9:36:05 Eastern Daylight Time



- Address Points
- County Boundaries
- City Limits
- Extraterritorial Jurisdictions
- Parcels



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Parcels

#	Name	Address1	Address2	Address3	City
1	SCOTLAND COUNTY	(PERMANENT LISTING)	PO BOX 488	<i>No Data</i>	LAURINBURG

#	State	ZipCode	PropertyAd	AccountNum	PINID
1	NC	283530488	CORONA AV	7071006.000000	0100800100201

#	AssessedVa	BuildingVa	CountyTaxC	DeedBook	DeedDate
1	0	0	C	0006O	19731120

#	DeedPage	DeedStamps	ExemptionC	FireTaxCod	LegalDescr
1	712.000000	0	<i>No Data</i>	<i>No Data</i>	LINCOLN PARK

#	MarketLand	MarketValu	ObxfValue	Area(acres)
1	47,700	47,700	0	4.69

Zoning Codes in Laurinburg

#	Zoning Code	Area(acres)
1	O-I	4.69

City Limits

#	City Name	Area(acres)
1	Laurinburg	4.69

This product is for informational purposes and may not have been prepared for, or be suitable for legal, engineering, or surveying purposes. Users of this information should review or consult the primary data and information sources to ascertain the usability of the information.



United States
Department of
Agriculture

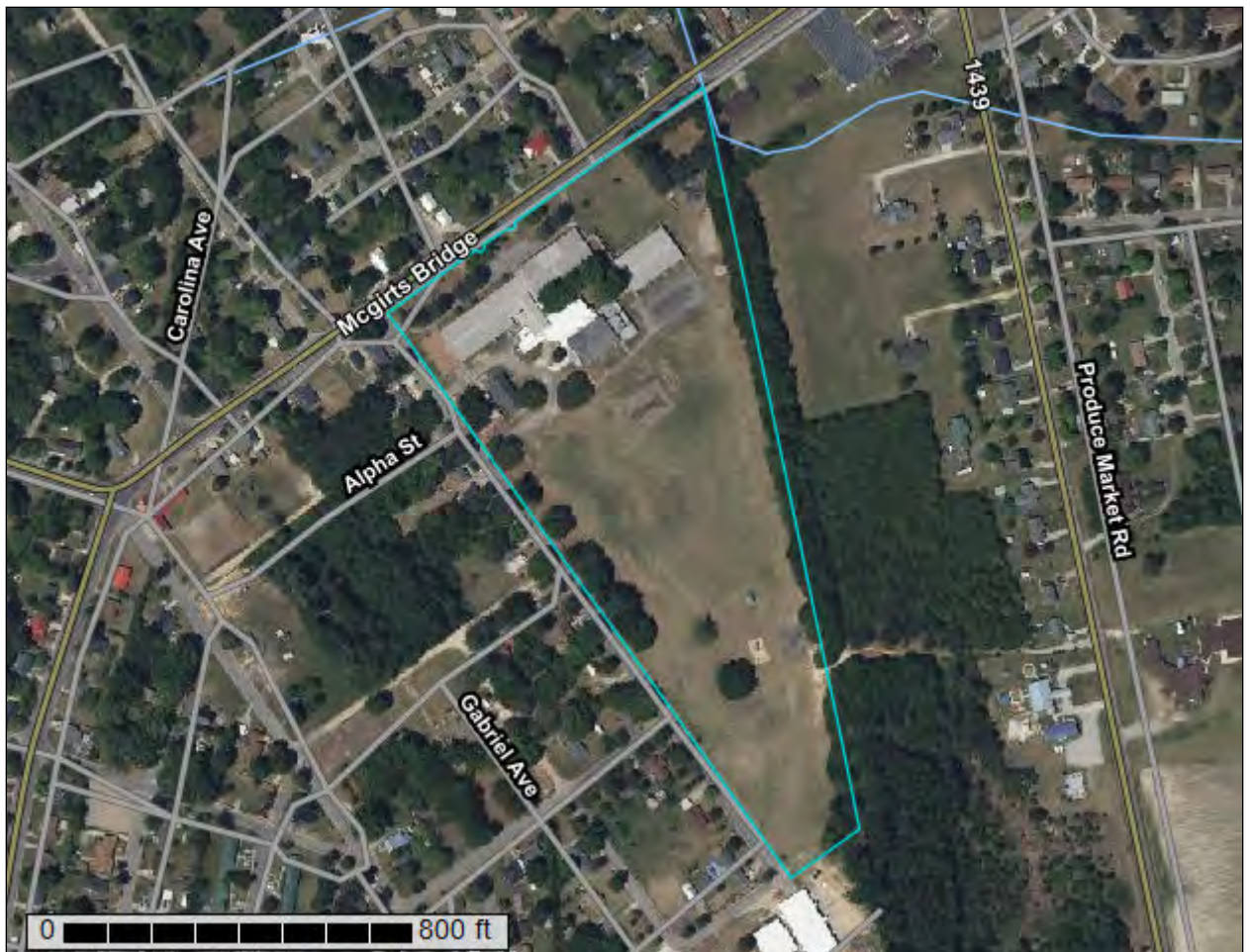
NRCS

Natural
Resources
Conservation
Service

A product of the National
Cooperative Soil Survey,
a joint effort of the United
States Department of
Agriculture and other
Federal agencies, State
agencies including the
Agricultural Experiment
Stations, and local
participants

Custom Soil Resource Report for **Scotland County, North Carolina**

Carona Avenue



November 13, 2024

Preface

Soil surveys contain information that affects land use planning in survey areas. They highlight soil limitations that affect various land uses and provide information about the properties of the soils in the survey areas. Soil surveys are designed for many different users, including farmers, ranchers, foresters, agronomists, urban planners, community officials, engineers, developers, builders, and home buyers. Also, conservationists, teachers, students, and specialists in recreation, waste disposal, and pollution control can use the surveys to help them understand, protect, or enhance the environment.

Various land use regulations of Federal, State, and local governments may impose special restrictions on land use or land treatment. Soil surveys identify soil properties that are used in making various land use or land treatment decisions. The information is intended to help the land users identify and reduce the effects of soil limitations on various land uses. The landowner or user is responsible for identifying and complying with existing laws and regulations.

Although soil survey information can be used for general farm, local, and wider area planning, onsite investigation is needed to supplement this information in some cases. Examples include soil quality assessments (<http://www.nrcs.usda.gov/wps/portal/nrcs/main/soils/health/>) and certain conservation and engineering applications. For more detailed information, contact your local USDA Service Center (<https://offices.sc.egov.usda.gov/locator/app?agency=nrcs>) or your NRCS State Soil Scientist (http://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/contactus/?cid=nrcs142p2_053951).

Great differences in soil properties can occur within short distances. Some soils are seasonally wet or subject to flooding. Some are too unstable to be used as a foundation for buildings or roads. Clayey or wet soils are poorly suited to use as septic tank absorption fields. A high water table makes a soil poorly suited to basements or underground installations.

The National Cooperative Soil Survey is a joint effort of the United States Department of Agriculture and other Federal agencies, State agencies including the Agricultural Experiment Stations, and local agencies. The Natural Resources Conservation Service (NRCS) has leadership for the Federal part of the National Cooperative Soil Survey.

Information about soils is updated periodically. Updated information is available through the NRCS Web Soil Survey, the site for official soil survey information.

The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, national origin, age, disability, and where applicable, sex, marital status, familial status, parental status, religion, sexual orientation, genetic information, political beliefs, reprisal, or because all or a part of an individual's income is derived from any public assistance program. (Not all prohibited bases apply to all programs.) Persons with disabilities who require

alternative means for communication of program information (Braille, large print, audiotape, etc.) should contact USDA's TARGET Center at (202) 720-2600 (voice and TDD). To file a complaint of discrimination, write to USDA, Director, Office of Civil Rights, 1400 Independence Avenue, S.W., Washington, D.C. 20250-9410 or call (800) 795-3272 (voice) or (202) 720-6382 (TDD). USDA is an equal opportunity provider and employer.

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How Soil Surveys Are Made

Soil surveys are made to provide information about the soils and miscellaneous areas in a specific area. They include a description of the soils and miscellaneous areas and their location on the landscape and tables that show soil properties and limitations affecting various uses. Soil scientists observed the steepness, length, and shape of the slopes; the general pattern of drainage; the kinds of crops and native plants; and the kinds of bedrock. They observed and described many soil profiles. A soil profile is the sequence of natural layers, or horizons, in a soil. The profile extends from the surface down into the unconsolidated material in which the soil formed or from the surface down to bedrock. The unconsolidated material is devoid of roots and other living organisms and has not been changed by other biological activity.

Currently, soils are mapped according to the boundaries of major land resource areas (MLRAs). MLRAs are geographically associated land resource units that share common characteristics related to physiography, geology, climate, water resources, soils, biological resources, and land uses (USDA, 2006). Soil survey areas typically consist of parts of one or more MLRA.

The soils and miscellaneous areas in a survey area occur in an orderly pattern that is related to the geology, landforms, relief, climate, and natural vegetation of the area. Each kind of soil and miscellaneous area is associated with a particular kind of landform or with a segment of the landform. By observing the soils and miscellaneous areas in the survey area and relating their position to specific segments of the landform, a soil scientist develops a concept, or model, of how they were formed. Thus, during mapping, this model enables the soil scientist to predict with a considerable degree of accuracy the kind of soil or miscellaneous area at a specific location on the landscape.

Commonly, individual soils on the landscape merge into one another as their characteristics gradually change. To construct an accurate soil map, however, soil scientists must determine the boundaries between the soils. They can observe only a limited number of soil profiles. Nevertheless, these observations, supplemented by an understanding of the soil-vegetation-landscape relationship, are sufficient to verify predictions of the kinds of soil in an area and to determine the boundaries.

Soil scientists recorded the characteristics of the soil profiles that they studied. They noted soil color, texture, size and shape of soil aggregates, kind and amount of rock fragments, distribution of plant roots, reaction, and other features that enable them to identify soils. After describing the soils in the survey area and determining their properties, the soil scientists assigned the soils to taxonomic classes (units). Taxonomic classes are concepts. Each taxonomic class has a set of soil characteristics with precisely defined limits. The classes are used as a basis for comparison to classify soils systematically. Soil taxonomy, the system of taxonomic classification used in the United States, is based mainly on the kind and character of soil properties and the arrangement of horizons within the profile. After the soil

scientists classified and named the soils in the survey area, they compared the individual soils with similar soils in the same taxonomic class in other areas so that they could confirm data and assemble additional data based on experience and research.

The objective of soil mapping is not to delineate pure map unit components; the objective is to separate the landscape into landforms or landform segments that have similar use and management requirements. Each map unit is defined by a unique combination of soil components and/or miscellaneous areas in predictable proportions. Some components may be highly contrasting to the other components of the map unit. The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The delineation of such landforms and landform segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, onsite investigation is needed to define and locate the soils and miscellaneous areas.

Soil scientists make many field observations in the process of producing a soil map. The frequency of observation is dependent upon several factors, including scale of mapping, intensity of mapping, design of map units, complexity of the landscape, and experience of the soil scientist. Observations are made to test and refine the soil-landscape model and predictions and to verify the classification of the soils at specific locations. Once the soil-landscape model is refined, a significantly smaller number of measurements of individual soil properties are made and recorded. These measurements may include field measurements, such as those for color, depth to bedrock, and texture, and laboratory measurements, such as those for content of sand, silt, clay, salt, and other components. Properties of each soil typically vary from one point to another across the landscape.

Observations for map unit components are aggregated to develop ranges of characteristics for the components. The aggregated values are presented. Direct measurements do not exist for every property presented for every map unit component. Values for some properties are estimated from combinations of other properties.

While a soil survey is in progress, samples of some of the soils in the area generally are collected for laboratory analyses and for engineering tests. Soil scientists interpret the data from these analyses and tests as well as the field-observed characteristics and the soil properties to determine the expected behavior of the soils under different uses. Interpretations for all of the soils are field tested through observation of the soils in different uses and under different levels of management. Some interpretations are modified to fit local conditions, and some new interpretations are developed to meet local needs. Data are assembled from other sources, such as research information, production records, and field experience of specialists. For example, data on crop yields under defined levels of management are assembled from farm records and from field or plot experiments on the same kinds of soil.

Predictions about soil behavior are based not only on soil properties but also on such variables as climate and biological activity. Soil conditions are predictable over long periods of time, but they are not predictable from year to year. For example, soil scientists can predict with a fairly high degree of accuracy that a given soil will have a high water table within certain depths in most years, but they cannot predict that a high water table will always be at a specific level in the soil on a specific date.

After soil scientists located and identified the significant natural bodies of soil in the survey area, they drew the boundaries of these bodies on aerial photographs and

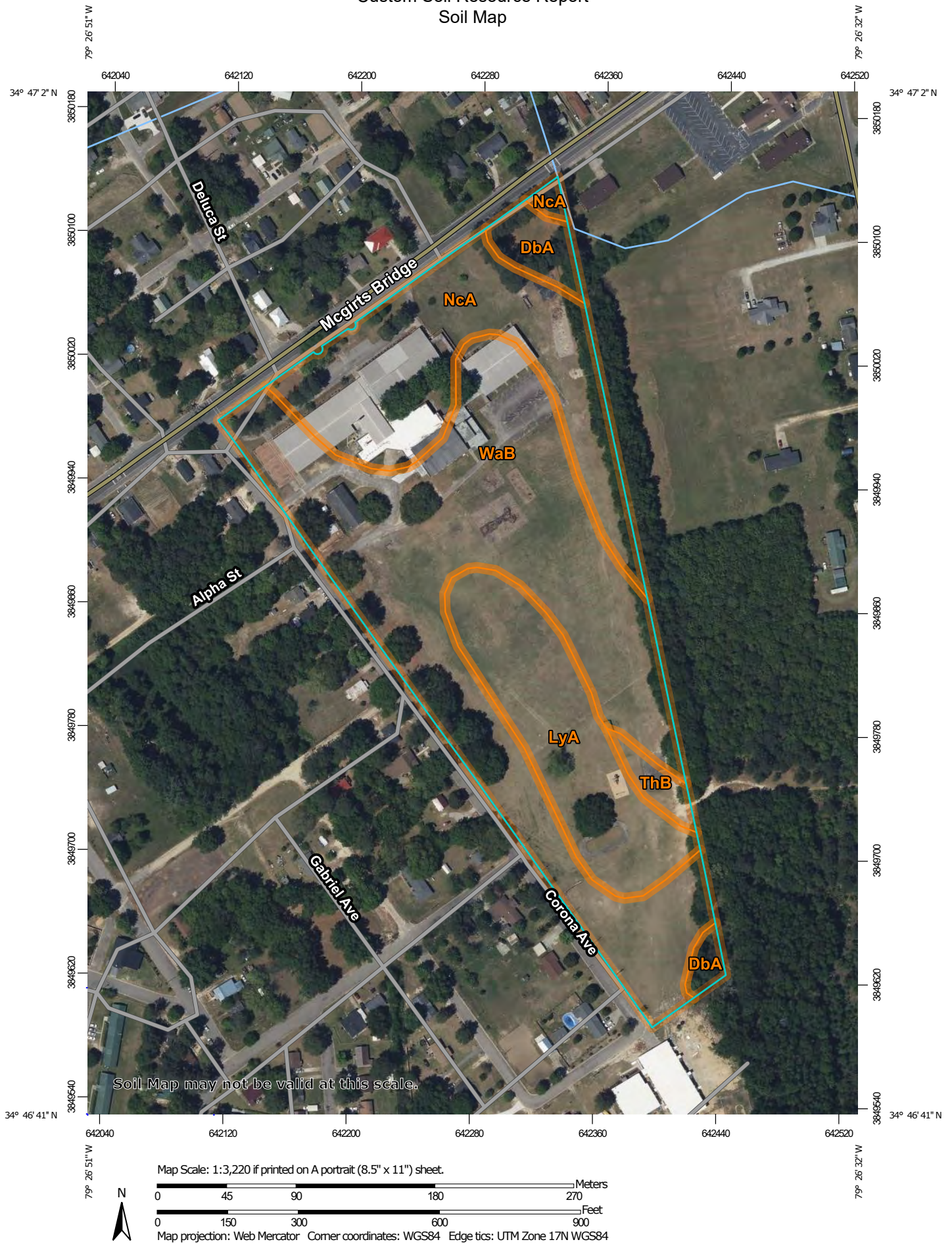
Custom Soil Resource Report

identified each as a specific map unit. Aerial photographs show trees, buildings, fields, roads, and rivers, all of which help in locating boundaries accurately.

Soil Map

The soil map section includes the soil map for the defined area of interest, a list of soil map units on the map and extent of each map unit, and cartographic symbols displayed on the map. Also presented are various metadata about data used to produce the map, and a description of each soil map unit.

Custom Soil Resource Report Soil Map



Custom Soil Resource Report

MAP LEGEND

Area of Interest (AOI)

 Area of Interest (AOI)


Soils


 Soil Map Unit Polygons


 Soil Map Unit Lines

 Soil Map Unit Points

Special Point Features

 Blowout

 Borrow Pit


 Clay Spot


 Closed Depression

 Gravel Pit


 Gravelly Spot


 Landfill

 Lava Flow

 Marsh or swamp

 Mine or Quarry

 Miscellaneous Water


 Perennial Water

 Rock Outcrop

 Saline Spot

 Sandy Spot

 Severely Eroded Spot

 Sinkhole

 Slide or Slip

 Sodic Spot

 Spoil Area

 Stony Spot


 Very Stony Spot

 Wet Spot

 Other

 Special Line Features

Water Features

 Streams and Canals

Transportation

 Rails


 Interstate Highways

 US Routes

 Major Roads

 Local Roads

Background

 Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:12,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Scotland County, North Carolina
Survey Area Data: Version 32, Sep 9, 2024

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Apr 17, 2022—May 20, 2022

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
DbA	Dunbar fine sandy loam, 0 to 2 percent slopes	0.7	3.7%
LyA	Lynchburg sandy loam, 0 to 2 percent slopes	3.3	16.7%
NcA	Noboco loamy sand, 0 to 2 percent slopes	4.7	23.7%
ThB	Thursa loamy sand, 2 to 6 percent slopes	0.3	1.7%
WaB	Wagram loamy sand, 0 to 6 percent slopes	10.7	54.2%
Totals for Area of Interest		19.7	100.0%

Map Unit Descriptions

The map units delineated on the detailed soil maps in a soil survey represent the soils or miscellaneous areas in the survey area. The map unit descriptions, along with the maps, can be used to determine the composition and properties of a unit.

A map unit delineation on a soil map represents an area dominated by one or more major kinds of soil or miscellaneous areas. A map unit is identified and named according to the taxonomic classification of the dominant soils. Within a taxonomic class there are precisely defined limits for the properties of the soils. On the landscape, however, the soils are natural phenomena, and they have the characteristic variability of all natural phenomena. Thus, the range of some observed properties may extend beyond the limits defined for a taxonomic class. Areas of soils of a single taxonomic class rarely, if ever, can be mapped without including areas of other taxonomic classes. Consequently, every map unit is made up of the soils or miscellaneous areas for which it is named and some minor components that belong to taxonomic classes other than those of the major soils.

Most minor soils have properties similar to those of the dominant soil or soils in the map unit, and thus they do not affect use and management. These are called noncontrasting, or similar, components. They may or may not be mentioned in a particular map unit description. Other minor components, however, have properties and behavioral characteristics divergent enough to affect use or to require different management. These are called contrasting, or dissimilar, components. They generally are in small areas and could not be mapped separately because of the scale used. Some small areas of strongly contrasting soils or miscellaneous areas are identified by a special symbol on the maps. If included in the database for a given area, the contrasting minor components are identified in the map unit descriptions along with some characteristics of each. A few areas of minor components may not have been observed, and consequently they are not mentioned in the descriptions, especially where the pattern was so complex that it was impractical to make enough observations to identify all the soils and miscellaneous areas on the landscape.

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The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The objective of mapping is not to delineate pure taxonomic classes but rather to separate the landscape into landforms or landform segments that have similar use and management requirements. The delineation of such segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, however, onsite investigation is needed to define and locate the soils and miscellaneous areas.

An identifying symbol precedes the map unit name in the map unit descriptions. Each description includes general facts about the unit and gives important soil properties and qualities.

Soils that have profiles that are almost alike make up a *soil series*. Except for differences in texture of the surface layer, all the soils of a series have major horizons that are similar in composition, thickness, and arrangement.

Soils of one series can differ in texture of the surface layer, slope, stoniness, salinity, degree of erosion, and other characteristics that affect their use. On the basis of such differences, a soil series is divided into *soil phases*. Most of the areas shown on the detailed soil maps are phases of soil series. The name of a soil phase commonly indicates a feature that affects use or management. For example, Alpha silt loam, 0 to 2 percent slopes, is a phase of the Alpha series.

Some map units are made up of two or more major soils or miscellaneous areas. These map units are complexes, associations, or undifferentiated groups.

A *complex* consists of two or more soils or miscellaneous areas in such an intricate pattern or in such small areas that they cannot be shown separately on the maps. The pattern and proportion of the soils or miscellaneous areas are somewhat similar in all areas. Alpha-Beta complex, 0 to 6 percent slopes, is an example.

An *association* is made up of two or more geographically associated soils or miscellaneous areas that are shown as one unit on the maps. Because of present or anticipated uses of the map units in the survey area, it was not considered practical or necessary to map the soils or miscellaneous areas separately. The pattern and relative proportion of the soils or miscellaneous areas are somewhat similar. Alpha-Beta association, 0 to 2 percent slopes, is an example.

An *undifferentiated group* is made up of two or more soils or miscellaneous areas that could be mapped individually but are mapped as one unit because similar interpretations can be made for use and management. The pattern and proportion of the soils or miscellaneous areas in a mapped area are not uniform. An area can be made up of only one of the major soils or miscellaneous areas, or it can be made up of all of them. Alpha and Beta soils, 0 to 2 percent slopes, is an example.

Some surveys include *miscellaneous areas*. Such areas have little or no soil material and support little or no vegetation. Rock outcrop is an example.

Scotland County, North Carolina

DbA—Dunbar fine sandy loam, 0 to 2 percent slopes

Map Unit Setting

National map unit symbol: 1jhl8

Elevation: 80 to 330 feet

Mean annual precipitation: 38 to 55 inches

Mean annual air temperature: 59 to 70 degrees F

Frost-free period: 210 to 265 days

Farmland classification: Farmland of statewide importance

Map Unit Composition

Dunbar, drained, and similar soils: 80 percent

Dunbar, undrained, and similar soils: 10 percent

Minor components: 4 percent

Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Dunbar, Drained

Setting

Landform: Flats on broad interstream divides

Landform position (two-dimensional): Summit

Down-slope shape: Linear

Across-slope shape: Linear

Parent material: Clayey marine deposits

Typical profile

Ap - 0 to 8 inches: fine sandy loam

Bt - 8 to 14 inches: clay loam

Btg - 14 to 62 inches: sandy clay

Cg - 62 to 92 inches: sandy clay

Properties and qualities

Slope: 0 to 2 percent

Depth to restrictive feature: More than 80 inches

Drainage class: Somewhat poorly drained

Runoff class: Very high

Capacity of the most limiting layer to transmit water (Ksat): Moderately high (0.20 to 0.57 in/hr)

Depth to water table: About 12 to 24 inches

Frequency of flooding: None

Frequency of ponding: None

Available water supply, 0 to 60 inches: High (about 9.4 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 2w

Hydrologic Soil Group: C/D

Ecological site: F153AY045NC - Moist Clay Rises and Flats

Hydric soil rating: No

Description of Dunbar, Undrained

Setting

Landform: Flats on broad interstream divides

Custom Soil Resource Report

Landform position (two-dimensional): Summit
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Clayey marine deposits

Typical profile

A - 0 to 8 inches: fine sandy loam
Bt - 8 to 14 inches: clay loam
Btg - 14 to 62 inches: sandy clay
Cg - 62 to 92 inches: sandy clay

Properties and qualities

Slope: 0 to 2 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Somewhat poorly drained
Runoff class: Very high
Capacity of the most limiting layer to transmit water (Ksat): Moderately high (0.20 to 0.57 in/hr)
Depth to water table: About 12 to 24 inches
Frequency of flooding: None
Frequency of ponding: None
Available water supply, 0 to 60 inches: High (about 9.4 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 3w
Hydrologic Soil Group: C/D
Ecological site: F153AY045NC - Moist Clay Rises and Flats
Hydric soil rating: No

Minor Components

Coxville, undrained

Percent of map unit: 2 percent
Landform: Depressions, carolina bays
Landform position (two-dimensional): Summit
Down-slope shape: Concave
Across-slope shape: Concave
Ecological site: F153AY065NC - Wet Clay Flats and Depressions
Hydric soil rating: Yes

Rains, undrained

Percent of map unit: 2 percent
Landform: Flats on marine terraces, carolina bays on marine terraces, broad interstream divides on marine terraces
Landform position (two-dimensional): Summit
Down-slope shape: Linear
Across-slope shape: Linear
Ecological site: F153AY060NC - Wet Loamy Flats and Depressions
Hydric soil rating: Yes

LyA—Lynchburg sandy loam, 0 to 2 percent slopes

Map Unit Setting

National map unit symbol: 2vx8p
Elevation: 10 to 330 feet
Mean annual precipitation: 40 to 55 inches
Mean annual air temperature: 59 to 70 degrees F
Frost-free period: 200 to 280 days
Farmland classification: Prime farmland if drained

Map Unit Composition

Lynchburg and similar soils: 84 percent
Minor components: 8 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Lynchburg

Setting

Landform: Flats on marine terraces, broad interstream divides on marine terraces
Landform position (three-dimensional): Talf
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Loamy marine deposits

Typical profile

Ap - 0 to 8 inches: sandy loam
E - 8 to 11 inches: sandy loam
Bt - 11 to 21 inches: sandy clay loam
Btg - 21 to 65 inches: sandy clay loam
BCg - 65 to 85 inches: sandy clay loam

Properties and qualities

Slope: 0 to 2 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Somewhat poorly drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high
(0.57 to 1.98 in/hr)
Depth to water table: About 6 to 18 inches
Frequency of flooding: None
Frequency of ponding: None
Available water supply, 0 to 60 inches: Moderate (about 6.6 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 2w
Hydrologic Soil Group: B/D
Ecological site: F153AY040NC - Moist Loamy Rises and Flats
Hydric soil rating: No

Minor Components

Rains

Percent of map unit: 8 percent

Landform: Flats on marine terraces, broad interstream divides on marine terraces

Landform position (three-dimensional): Dip, tal

Down-slope shape: Linear

Across-slope shape: Linear

Ecological site: F153AY060NC - Wet Loamy Flats and Depressions

Hydric soil rating: Yes

NcA—Noboco loamy sand, 0 to 2 percent slopes

Map Unit Setting

National map unit symbol: 1jgmc

Elevation: 80 to 330 feet

Mean annual precipitation: 38 to 55 inches

Mean annual air temperature: 59 to 70 degrees F

Frost-free period: 210 to 265 days

Farmland classification: All areas are prime farmland

Map Unit Composition

Noboco and similar soils: 90 percent

Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Noboco

Setting

Landform: Broad interstream divides on marine terraces, flats on marine terraces

Landform position (two-dimensional): Summit, shoulder

Landform position (three-dimensional): Crest

Down-slope shape: Convex

Across-slope shape: Convex

Parent material: Loamy marine deposits

Typical profile

Ap - 0 to 10 inches: loamy sand

E - 10 to 13 inches: loamy sand

Bt - 13 to 80 inches: sandy clay loam

Properties and qualities

Slope: 0 to 2 percent

Depth to restrictive feature: More than 80 inches

Drainage class: Well drained

Runoff class: Low

Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high
(0.57 to 1.98 in/hr)

Depth to water table: About 30 to 40 inches

Frequency of flooding: None

Frequency of ponding: None

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Available water supply, 0 to 60 inches: Moderate (about 7.1 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 1

Hydrologic Soil Group: C

Ecological site: F153AY040NC - Moist Loamy Rises and Flats

Hydric soil rating: No

ThB—Thursa loamy sand, 2 to 6 percent slopes

Map Unit Setting

National map unit symbol: 1jrwk

Elevation: 80 to 330 feet

Mean annual precipitation: 38 to 55 inches

Mean annual air temperature: 59 to 70 degrees F

Frost-free period: 210 to 265 days

Farmland classification: All areas are prime farmland

Map Unit Composition

Thursa and similar soils: 75 percent

Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Thursa

Setting

Landform: Broad interstream divides on marine terraces, ridges on marine terraces

Landform position (two-dimensional): Summit, shoulder

Landform position (three-dimensional): Crest

Down-slope shape: Convex

Across-slope shape: Convex

Parent material: Loamy marine deposits

Typical profile

Ap - 0 to 10 inches: loamy sand

Bt1 - 10 to 35 inches: sandy clay loam

Bt2 - 35 to 50 inches: sandy clay

Bt3 - 50 to 80 inches: clay

Properties and qualities

Slope: 2 to 6 percent

Depth to restrictive feature: More than 80 inches

Drainage class: Well drained

Runoff class: Low

Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high
(0.57 to 1.98 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Available water supply, 0 to 60 inches: Moderate (about 6.8 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 2e
Hydrologic Soil Group: B
Hydric soil rating: No

WaB—Wagram loamy sand, 0 to 6 percent slopes

Map Unit Setting

National map unit symbol: 1jgmp
Elevation: 80 to 330 feet
Mean annual precipitation: 38 to 55 inches
Mean annual air temperature: 59 to 70 degrees F
Frost-free period: 210 to 265 days
Farmland classification: Farmland of statewide importance

Map Unit Composition

Wagram and similar soils: 90 percent
Minor components: 5 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Wagram

Setting

Landform: Broad interstream divides on marine terraces, ridges on marine terraces
Landform position (two-dimensional): Summit, shoulder
Landform position (three-dimensional): Crest
Down-slope shape: Convex
Across-slope shape: Convex
Parent material: Loamy marine deposits

Typical profile

Ap - 0 to 8 inches: loamy sand
E - 8 to 24 inches: loamy sand
Bt - 24 to 75 inches: sandy clay loam
BC - 75 to 83 inches: sandy loam

Properties and qualities

Slope: 0 to 6 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: Low
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.57 to 1.98 in/hr)
Depth to water table: About 60 to 80 inches
Frequency of flooding: None
Frequency of ponding: None
Available water supply, 0 to 60 inches: Moderate (about 6.7 inches)

Interpretive groups

Land capability classification (irrigated): None specified

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Land capability classification (nonirrigated): 2s

Hydrologic Soil Group: A

Ecological site: F153AY030NC - Dry Loamy Rises and Flats

Hydric soil rating: No

Minor Components

Bibb, undrained

Percent of map unit: 3 percent

Landform: Flood plains

Landform position (two-dimensional): Toeslope

Down-slope shape: Concave

Across-slope shape: Linear

Ecological site: F153AY090NC - Flooded Mineral Soil Flood Plains and Terraces

Hydric soil rating: Yes

Johnston, undrained

Percent of map unit: 2 percent

Landform: Flood plains

Down-slope shape: Concave

Across-slope shape: Linear

Ecological site: F153AY090NC - Flooded Mineral Soil Flood Plains and Terraces

Hydric soil rating: Yes

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ATTACHMENT 16:

Wild and Scenic Rivers

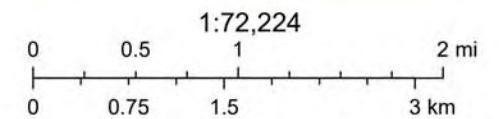
NEPAssist Map of DOI NPS Nationwide Rivers
Inventory and National Wild and Scenic Rivers System
Showing 0.25-mile Buffer and Distance from Closest
WSR to Subject Property

I Ellis Johnson Housing - NRI and WSR Map

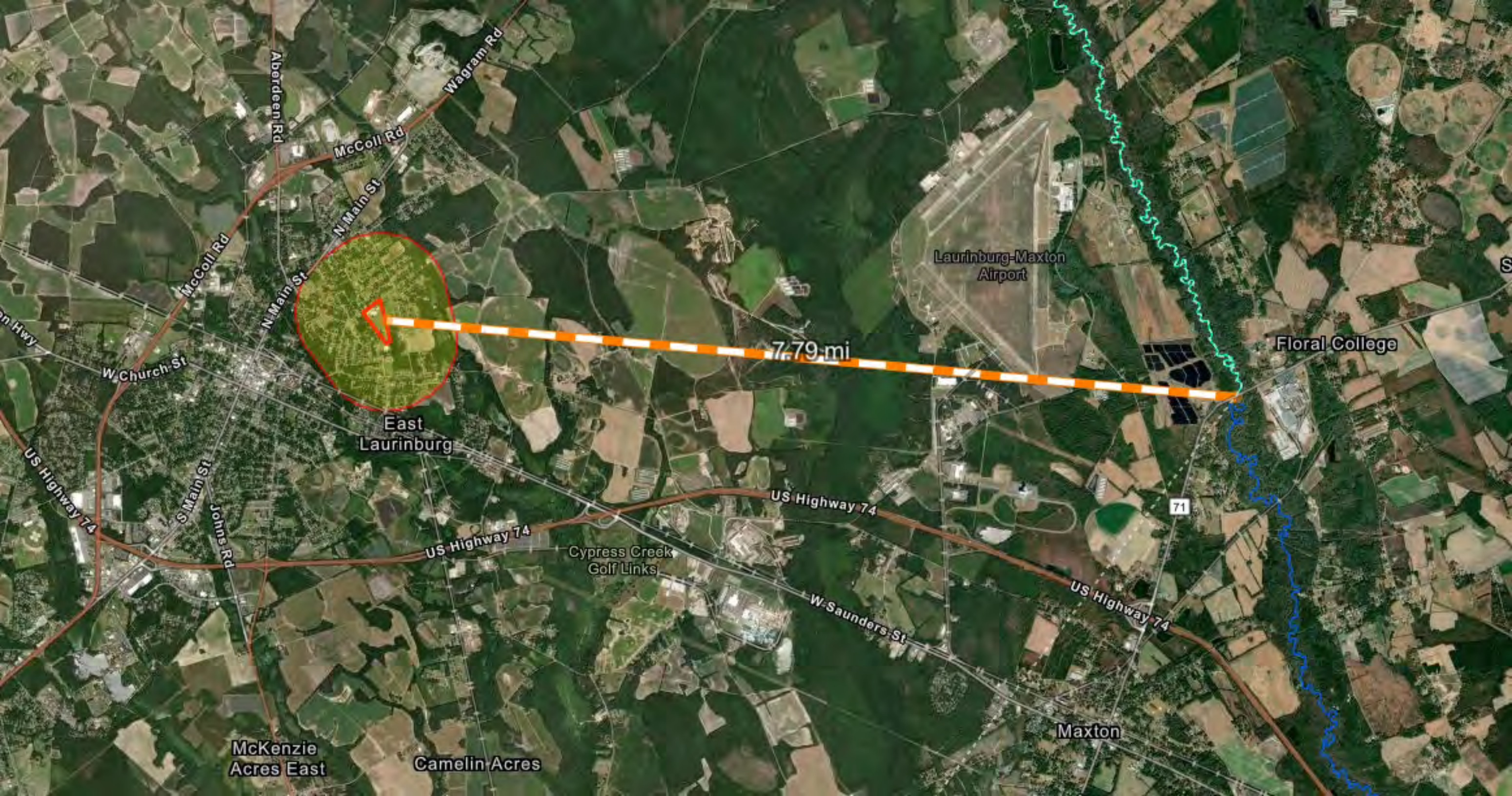


September 21, 2024

- HYDRO_NationwideRiversInventory_In
- Project Buffer
- IE Johnson Affordable Housing
- Wild and Scenic Rivers



National Park Service, peter_bonsall@nps.gov, State of North Carolina DOT, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA,



Aberdeen Rd

Wagram Rd

McColl Rd

N Main St

McColl Rd

W Church St

US Highway 74

S Main St

Johns Rd

US Highway 74

Cypress Creek
Golf Links

US Highway 74

W Saunders St

US Highway 74

71

Laurinburg-Maxton
Airport

Floral College

East
Laurinburg

Maxton

McKenzie
Acres East

Camelin Acres

7.79 mi

ATTACHMENT 17:

Zoning

Zoning Certification and Correspondence

ZONING CERTIFICATION

Project Name: I Ellis Johnson Multi-Family Affordable Housing
Proposed No. of Units: Total: 55 Units; Phase I: 10 Units; Phase II: 45 Units
Address: Corona Avenue, Laurinburg, NC 28352. Identified by Scotland County's GIS system as PIN ID: 01008001002 and PIN ID: 0100800100201.
Closest Intersection or Landmark: McGirts Bridge Rd and Corona Ave

Currently, the proposed project site is zoned (OI) Office Institutional
This Zoning District(s):

☐ allows the proposed use and no further action is needed OR

☐ does NOT allow for the proposed use. Explain: _____

☒ Other? Explain: Multi Family development is allowed with City Council granting a Special Use Permit & has to meet Supplemental Regulations (attached)

Additional Comments/Concerns/Conditions: _____

12/5/24

Date

Mac M. Innis

(Officials Signature)

Mac M. Innis

(Officials Name – Print or Type)

Zoning Administrator, Planner/Code Enforcement Officer
(Official's Title)

Community Development

(Department Name)

ARTICLE 6. ZONING DISTRICTS

P - Permitted Use
S - Special Use

PS - Permitted Use with Supplemental Regulations
SS - Special Use with Supplemental Regulations

Blank - Not Permitted

Uses	Zoning Districts									Supplemental Regulations
	R-20MH	R-20	R-15	R-6	R-6 MH	OI	CB	GB	I	
Skateboard parks								P		
Skating rinks							P	P		
Tennis courts	S	S	S	S	S	P	P	P		
Water slides								P		
RESIDENTIAL										
Adult care home (over 6 residents)	PS	PS	PS	PS	PS	PS	PS	PS		Section 7.15
Dwelling, accessory to a commercial use						P	S	P		
Dwelling, manufactured home Class A (on a single lot)	P	P	P	P	P	P				
Dwelling, manufactured home Class B (on a single lot)	P				P					
Dwelling, multi-family (7 units or less)	S	S		P	P	PS				Section 7.16
Dwelling, multi-family (8 units or more)	S	S		S	S	SS				Section 7.16
Dwelling, over a business (not accessory)							SS			Section 7.42
Dwelling, primary residence with accessory apartment	P	S	S	P	P	P				
Dwelling, single-family	P	P	P	P	P	P				
Dwelling, townhouses	S	S		P	P	P	S			
Dwelling, two-family (duplex)	P			P	P	P				
Family care home	PS	PS	PS	PS	PS	PS				Section 7.15
Family childcare home	PS	PS	PS	PS	PS	PS				Section 7.15
Family foster home	P	P	P	P	P	P				

ARTICLE 7. SUPPLEMENTAL REGULATIONS

SECTION 7.15 HEALTH CARE FACILITIES.

7.15.1. As defined by NCGS 131E-256, all health care facilities must be licensed by the State of North Carolina.

7.15.2. Health care facilities are subject to all local and federal regulations and the regulations of the North Carolina Administrative Code.

7.15.3. Family care homes must be located no closer than one-half ($\frac{1}{2}$) mile from any other family care home.

7.15.4. Where permitted in a residential district, the location, design, and operation of the health care facility must not alter the residential character of the neighborhood. The facility must retain a residential character, which must be compatible with the surrounding neighborhood. New buildings must be non-institutional in design and appearance and physically harmonious with the neighborhood in which they are located considering such issues as scale, appearance, density, and population.

SECTION 7.16 MULTI-FAMILY RESIDENCES IN NONRESIDENTIAL DISTRICTS.

7.16.1. Multi-family residences located in any permitted nonresidential zoning district shall comply with the minimum lot area, width, and setback requirements of the R-6 district.

7.16.2. The minimum spacing between multi-family residential structures shall be twenty (20) feet.

SECTION 7.17 MANUFACTURED HOME PARKS.

7.17.1. The minimum lot area for a manufactured home park is three (3) acres; the minimum number of manufactured home spaces for a manufactured home park is six (6) spaces.

7.17.2. Manufactured home parks shall contain only Class B or Class C manufactured homes.

7.17.3. The manufactured home shall be located on ground that is not susceptible to flooding. The park shall be graded so as to prevent any water from ponding or accumulating on the premises. All ditch banks shall be sloped and seeded.

7.17.4. Each manufactured home space shall contain a minimum of five thousand (5,000) square feet where public water and sewer service is available and twenty thousand (20,000) square feet where either public water or sewer services is unavailable unless a larger or smaller square footage is required by the county health department.



Re: RE: Environmental Assessment - Zoning Certification Request

From Mac McInnis <mmcinnis@laurinburg.org>

Date Thu 12/5/2024 2:47 PM

To Miranda Horne <mirandahorne@llandj.com>

Cc Jonathan Locklear <jonathanlocklear@llandj.com>

 1 attachment (3 MB)
Zoning Certification.pdf;

Miranda,
If you have any questions let me know.

Mac

Mac McInnis
City Zoning Administrator, Planner/Code Enforcement Officer

From: Miranda Horne <mirandahorne@llandj.com>

Sent: Thursday, December 5, 2024 10:27 AM

To: Mac McInnis <mmcinnis@laurinburg.org>

Cc: Jonathan Locklear <jonathanlocklear@llandj.com>

Subject: Fw: RE: Environmental Assessment - Zoning Certification Request

Be Advised: This email originated from outside of the City of Laurinburg, NC's email system. Maintain caution when opening external links/attachments

Mac,

Thanks for taking my call. As discussed, please review the below email and attached documentation.

Let me know if you have any questions.

Thank you,

Miranda Horne
Project Manager
Locklear, Locklear & Jacobs, PLLC



PO Box 3119

*114 W. 3rd Street
Pembroke, North Carolina 28372
O: (910) 774- 9306 ext. 6*

mirandahorne@llandj.com

www.llandj.com

This message is intended solely for the use of the addressee and may contain information that is PRIVILEGED and CONFIDENTIAL. If you are not the intended recipient, you are hereby notified that any dissemination of this communication is strictly prohibited. If you have received this communication in error, please delete all electronic copies of the message and its attachments, if any, destroy any hard copies you may have created, and notify the sender immediately. Thank you.



Please consider the environment before printing this email.

From: Miranda Horne

Sent: Wednesday, September 25, 2024 2:40 PM

To: bmcqueen@scotlandcounty.org <bmcqueen@scotlandcounty.org>

Cc: Jonathan Locklear <jonathanlocklear@llandj.com>

Subject: RE: Environmental Assessment - Zoning Certification Request

Good afternoon,

I'm reaching out to you this afternoon in reference to an environmental assessment that the firm I work for is conducting on behalf of a client on a property (subject property) consisting of two separate parcels that will be recombined as shown in the attached Preliminary Site Plan document. The subject property is identified by Scotland County's GIS as **PIN ID: 01008001002 and PIN ID: 0100800100201**. The subject property is the site of a future affordable housing development that involves the new construction of multiple one-, two-, and three-bedroom units of supportive housing targeting households at or below 80% AMI. This project will be broken up into two (2) separate phases with the following preliminary breakdown: **Phase I: 10 units (1- and 2- bedroom units); Phase II: 45 units (2- and 3- bedroom units)**. Units of **Phase I** will be targeted to homeless households. As part of this assessment, it is required that we reach out to various local agencies to request the completion of certification forms for each agency. These forms are used to collect any known information that may help in determining any negative or positive environmental impacts in relation to the subject property and it's intended end use.

I have taken the liberty of providing you with the following attachments to aid in identifying the subject property location and intended use:

- Vicinity Location Map
- County GIS Data
- I Ellis Johnson Preliminary Site Plan Layout

We request that you complete the attached word document labeled "**Zoning Certification**" to the best of your ability and send back your response at your earliest convenience. Some of the information within has already been pre-filled for your convenience.

If you have any questions about any of the above information or would prefer to discuss further via phone call, please don't hesitate to contact me at the number below.

Thank you,

Miranda Horne
Project Manager
Locklear, Locklear & Jacobs, PLLC



PO Box 3119

*114 W. 3rd Street
Pembroke, North Carolina 28372
O: (910) 774- 9306 ext. 6*

mirandahorne@llandj.com
www.llandj.com

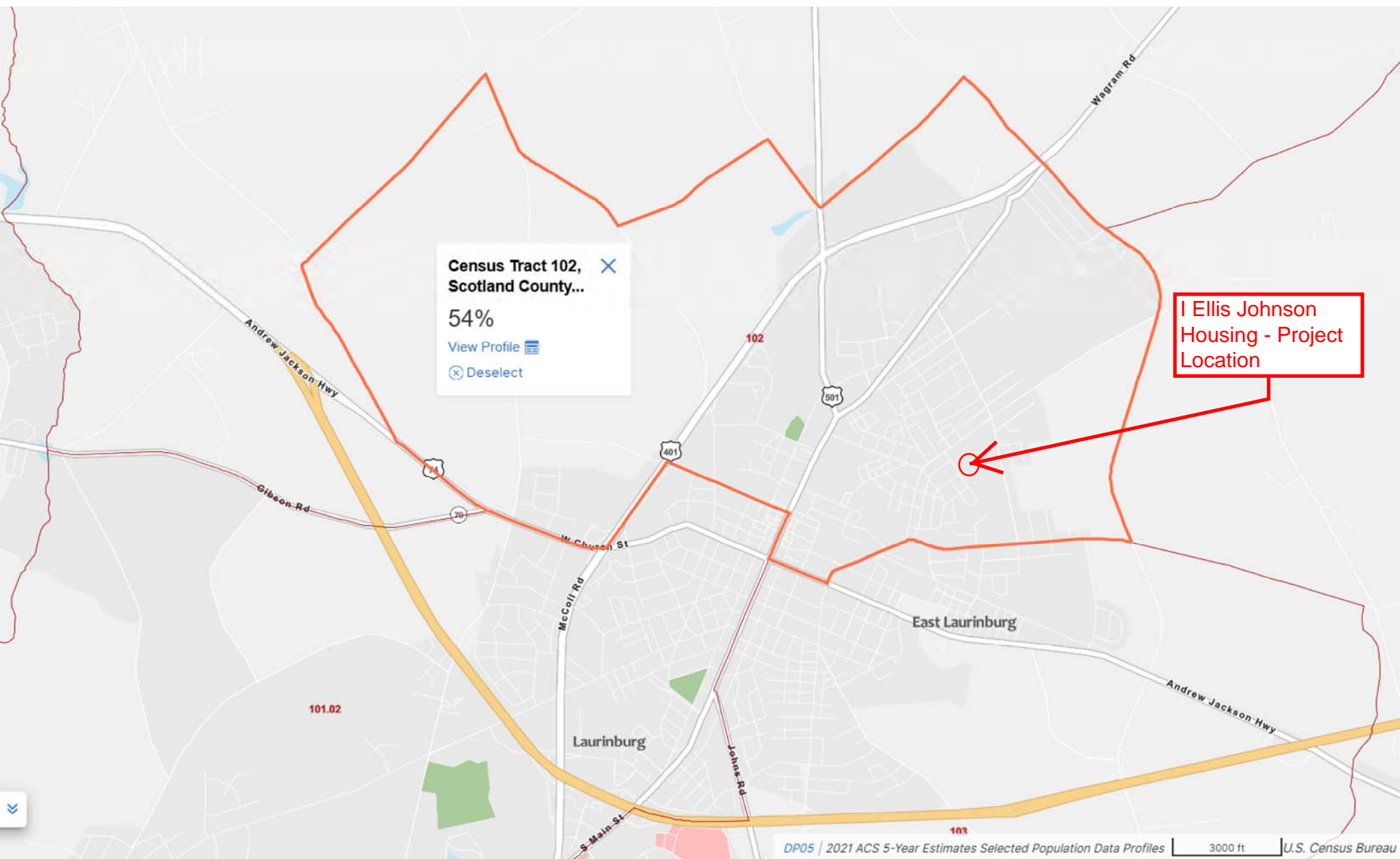
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Please consider the environment before printing this email.

ATTACHMENT 18:

Employment and Income Patterns



Census Tract 102; Scotland County; North Carolina

Census Tract 102; Scotland County; North Carolina is a Census Tract located in [Scotland County, North Carolina](#)

Populations and People

Total Population

3,614

P1 | 2020 Decennial Census

Education

Bachelor's Degree or Higher

9.9%

S1501 | 2022 American Community Survey 5-Year Estimates

Housing

Total Housing Units

1,697

H1 | 2020 Decennial Census

Families and Living Arrangements

Total Households

1,228

DP02 | 2022 American Community Survey 5-Year Estimates

Income and Poverty

Median Household Income

\$24,750

S1901 | 2022 American Community Survey 5-Year Estimates

Employment

Employment Rate

35.5%

DP03 | 2022 American Community Survey 5-Year Estimates

Health

Without Health Care Coverage

11.9%

S2701 | 2022 American Community Survey 5-Year Estimates

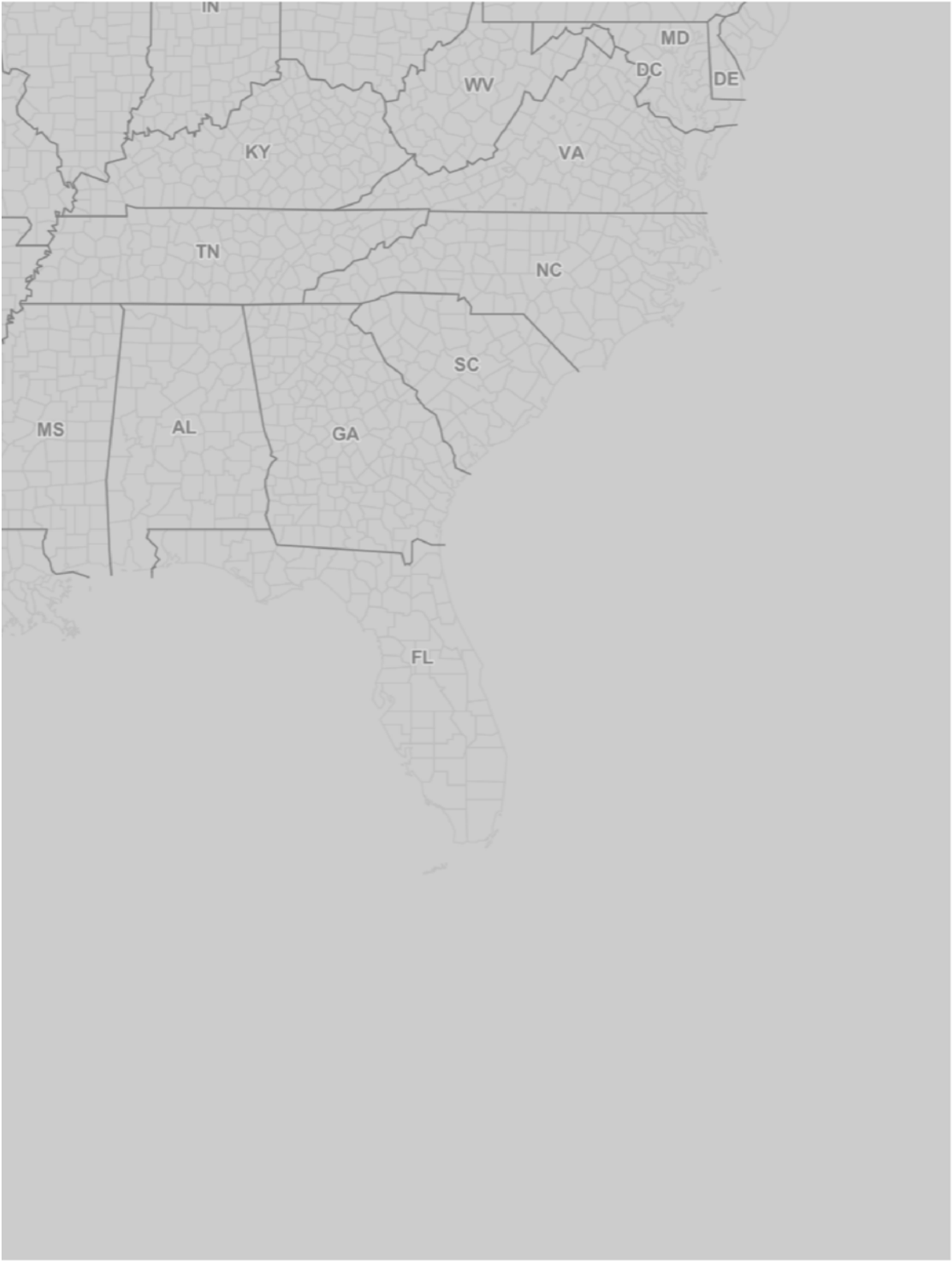
Race and Ethnicity

Hispanic or Latino (of any race)

52

P9 | 2020 Decennial Census

Census Tract 102; Scotland County; North Carolina Reference Map



Source: U.S. Census Bureau

Populations and People

Age and Sex

38.6 ± 2.5

Median Age in Census Tract 102; Scotland County; North Carolina

39.0 ± 0.6

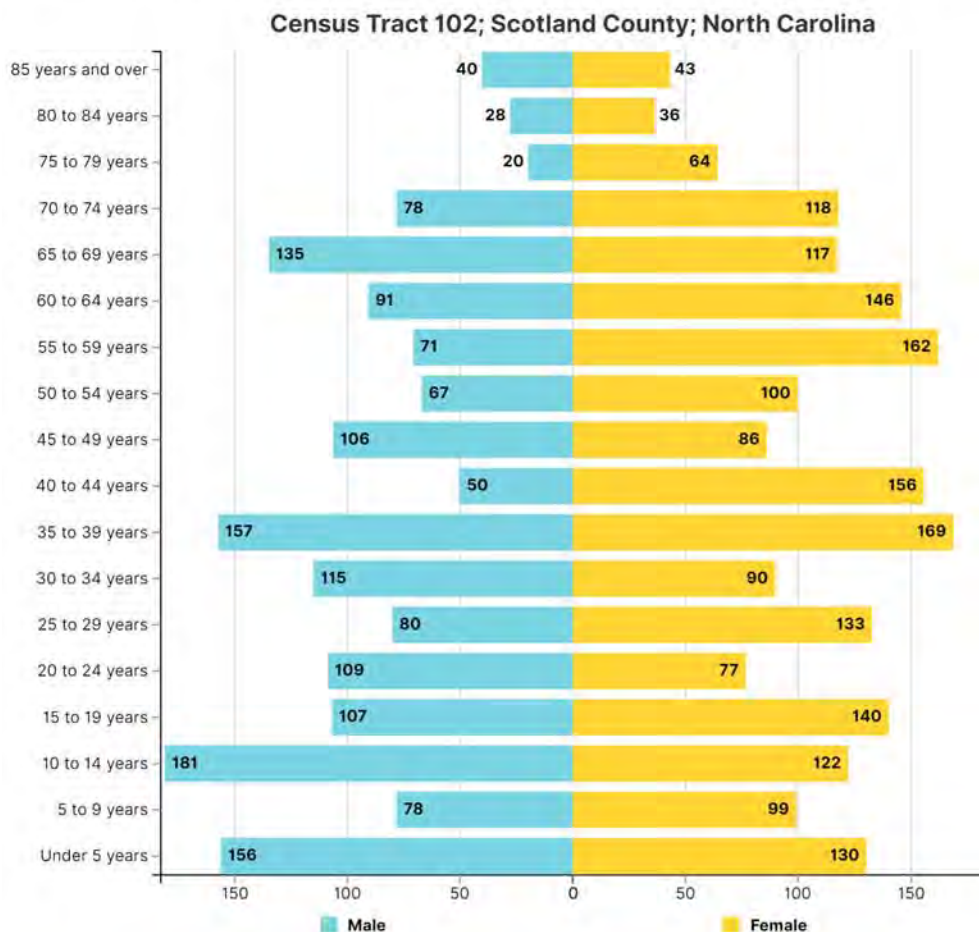
Median Age in Scotland County; North Carolina

S0101 | 2022 American Community Survey 5-Year Estimates

Population Pyramid: Population by Age and Sex

In Census Tract 102; Scotland County; North Carolina

[Share](#) / [Embed](#)



[Display Margin of Error](#)

S0101 | 2022 ACS 5-Year Estimates Subject Tables

Language Spoken at Home

2.2% ± 3.2%

Language Other Than English Spoken at Home in Census Tract 102; Scotland County; North Carolina

3.7% ± 0.8%

Language Other Than English Spoken at Home in Scotland County; North Carolina

S1601 | 2022 American Community Survey 5-Year Estimates

Native and Foreign-Born

0.3% ± 0.4%

Foreign-Born population in Census Tract 102; Scotland County; North Carolina

2.2% ± 0.6%

Foreign-Born population in Scotland County; North Carolina

DP02 | 2022 American Community Survey 5-Year Estimates

Older Population

18.6% \pm 3.1%

65 Years and Older in Census Tract 102; Scotland County; North Carolina

18.0% \pm 0.1%

65 Years and Older in Scotland County, North Carolina

DP05 | 2022 American Community Survey 5-Year Estimates

Residential Mobility

4.8% \pm 3.9%

Moved From a Different State in the Last Year in Census Tract 102; Scotland County; North Carolina

2.6% \pm 1.0%

Moved From a Different State in the Last Year in Scotland County, North Carolina

S0701 | 2022 American Community Survey 5-Year Estimates

Veterans

3.1% \pm 1.5%

Veterans in Census Tract 102; Scotland County; North Carolina

6.7% \pm 0.8%

Veterans in Scotland County, North Carolina

S2101 | 2022 American Community Survey 5-Year Estimates

ATTACHMENT 19:

Educational and Cultural Facilities

Public Education Certification Form, Correspondence,
and Educational and Cultural Facilities Maps Search
Results

PUBLIC EDUCATION CERTIFICATION

Project Name: I Ellis Johnson Multi-Family Affordable Housing
Proposed No. of Units: Total: 55 Units; Phase I: 10 Units; Phase II: 45 Units
Address: Corona Avenue, Laurinburg, NC 28352. Identified by Scotland County's GIS system as PIN ID: 01008001002 and PIN ID: 0100800100201.
Closest Intersection or Landmark: McGirts Bridge Rd and Corona Ave

The proposed project is located in the South Johnson Elementary, Carver Middle, and Scotland High School school district(s):

☒ will NOT have an adverse impact on local schools OR

☒ will have an adverse impact on local schools. Explain: It could . Carver Middle School already has seven similar housing developments in its district. _____

Are any of the schools in this district considered High Risk or Poor Performing per State or federal performance standards? ☐ No. If yes, explain: Yes. Carver Middle School is a Low-Performing School based on the NC Department of Education School Performance Grading System.

The schools that will serve the proposed project are: South Johnson Elementary, Carver Middle School, Scotland High School

Additional Comments/Concerns/Conditions: _____

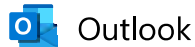
12/6/2024
Date

Adell Baldwin
(Officials Signature)

Dr. Adell Baldwin
(Officials Name – Print or Type)

Superintendent
(Official's Title)

Scotland County Schools
(Department Name)



Public Education Certification

From Bounds, Meredith <meredith.bounds@scotland.k12.nc.us>

Date Fri 12/6/2024 4:11 PM

To Miranda Horne <mirandahorne@llandj.com>

Cc Baldwin, Adell <adell.baldwin@scsnc.org>; Williams-Dockery, Beverly <bdockery1@scotland.k12.nc.us>; Chapman, Michael <mchapman@scotland.k12.nc.us>

 1 attachment (378 KB)

Public Education Certification.ScotlandCountySchools.pdf;

Good afternoon -

Attached you will find Scotland County Schools' Public Education Certification as it relates to the Ellis Johnson Preliminary Site Plan. Please let us know if you need any additional information. Have a wonderful remainder of your day.

Meredith Bounds
Director of Public Relations
Scotland County Schools
910-276-1138 (office)





Re: RE: Environmental Assessment - Public Education Certification Request

From Miranda Horne <mirandahorne@llandj.com>

Date Thu 12/5/2024 2:28 PM

To adell.baldwin@scotland.k12.nc.us <adell.baldwin@scotland.k12.nc.us>

Cc Jonathan Locklear <jonathanlocklear@llandj.com>

 5 attachments (7 MB)

Vicinity Map.pdf; Parcel #1 (IE Johnson & SCAP Property) - GIS Report.pdf; Parcel #2 (SCAP Property) - GIS Report.pdf; SCAP IE Johnson School Location- PRELIM PROPERTY PLAN 8-30-23.pdf; Public Education Certification.docx;

Good afternoon,

I'm reaching out this afternoon to follow up on my previous email below and to see if you have a moment to review the information and respond with the completed word document as requested within the previous email.

Thank you for your time in this matter and please don't hesitate to let me know if you would like to discuss further,

Miranda Horne

Project Manager

Locklear, Locklear & Jacobs, PLLC



PO Box 3119

114 W. 3rd Street

Pembroke, North Carolina 28372

O: (910) 774- 9306 ext. 6

mirandahorne@llandj.com

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Please consider the environment before printing this email.

From: Miranda Horne

Sent: Wednesday, September 25, 2024 2:44 PM

To: adell.baldwin@scotland.k12.nc.us <adell.baldwin@scotland.k12.nc.us>

Cc: Jonathan Locklear <jonathanlocklear@llandj.com>

Subject: RE: Environmental Assessment - Public Education Certification Request

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- County GIS Data
- I Ellis Johnson Preliminary Site Plan Layout

We request that you complete the attached word document labeled "**Public Education Certification**" to the best of your ability and send back your response at your earliest convenience. Some of the information within has already been pre-filled for your convenience.

If you have any questions about any of the above information or would prefer to discuss further via phone call, please don't hesitate to contact me at the number below.

Thank you,

Miranda Horne
Project Manager
Locklear, Locklear & Jacobs, PLLC



PO Box 3119

*114 W. 3rd Street
Pembroke, North Carolina 28372
O: (910) 774- 9306 ext. 6*

mirandahorne@llandj.com
www.llandj.com

SCHOOLS



schools

- 1 I E Johnson Elementary School**
Address: 815 Mcgirts Bridge Rd, Laurinburg, NC 28352
Phone: (910) 277-4308
Website: <http://iej.scotland.k12.nc.us/>
- 3 Laurinburg Institute**
Address: 125 Mcgirts Bridge Rd, Laurinburg, NC 28352
Phone: (910) 276-0684
Website: <https://www.laurinburginstitute.org/>
- 5 Scotland County Schools**
Address: 322 S Main St, Laurinburg, NC 28352-3834
Phone: (910) 276-1138
Website: <https://www.scotland.k12.nc.us/>
- 7 Sycamore Lane Elementary School**
Address: 2100 Sycamore Ln, Laurinburg, NC 28352
Phone: (910) 277-4350
Website: <https://www.scotland.k12.nc.us/Domain/15>
- 9 St Andrews Presbyterian College**
Address: 12720 Barnes Bridge Rd, Laurinburg, NC 28352
Phone: (910) 277-5555
Website: <https://www.sa.edu/>
- 11 Legacy Dance Academy**
Address: 106 S Main St, Laurinburg, NC 28352-3830
Phone: (910) 506-7202
- 13 Arthur Davis Building**
Address: 434 Atkinson St, Laurinburg, NC 28352
- 15 Honeycutt Center**
Address: 600 McLean St, Laurinburg, NC
Website: <https://richmondcc.edu/contact-us>
- 17 Advanced Emergency Services Training**
Address: 304 N Wilkinson Dr, Laurinburg, NC 28352
Phone: (910) 506-4060
Website: <https://sps.honeywell.com/partners/safety/English/directory/partner/1241257/advanced-emergency-services-training>
- 2 Scotland Early College High School**
Address: 615 W Covington St, Laurinburg, NC 28352-3505
Phone: (910) 277-3951
Website: <https://www.scotland.k12.nc.us/>
- 4 Scotland High School**
Address: 1000 W Church St, Laurinburg, NC 28352-3537
Phone: (910) 276-7370
Website: <https://scotland.k12.nc.us/scotlandhighschool>
- 6 South Johnson Elementary School**
Address: 13100 Old Johns Rd, Laurinburg, NC 28352
Phone: (910) 276-2469
Website: <https://www.scotland.k12.nc.us/Domain/13>
- 8 Scotland Center**
Address: 201 Atkinson St, Laurinburg, Nc 28352
Phone: (910) 276-1388
Website: <https://richmondcc.edu/>
- 10 Richmond Community College-Scotland County Campus**
Address: 600 McLean St, Laurinburg, Nc 28352
Phone: (910) 410-1831
- 12 Helping Hands Learning Academy**
Address: 430 Mckay St, Laurinburg, Nc 28352
Phone: (910) 276-4096
- 14 Voting at the LEARNING CENTER**
Address: 420 Stewartville Rd, Laurinburg, NC 28352
- 16 Laurel Hill Elementary School**
Address: 11340 Old Wire Rd, Laurel Hill, NC 28351-8475
Phone: (910) 462-2111
Website: <https://www.scotland.k12.nc.us/Domain/19>

education facilities



★ Rating

🕒 Hours

🔍 All filters

Search

Results ⓘ

Scotland Center

No reviews

College · 📍 · 201 Atkinson St
(910) 276-1388



Directions

St. Andrews University Equestrian Center

4.8 ★★★★★ (43)

Equestrian facility · 📍 · 9167
Hasty Rd

Open · Closes 5 PM ·
(910) 277-5755



Website



Directions

🗣️ "The staff and student horse riding instructors are the best!!!"

Learning Commons

No reviews

Academic department · 📍 · 34
74158899205482

Open · Closes 10 PM ·
(910) 277-5023



Website



Directions

THE LEARNING CENTER

No reviews

Learning center · 📍 · 420
Stewartville Rd
(910) 277-2595



Website



Directions

Richmond Community College-Scotland County Campus

4.5 ★★★★★ (11)

Community college · 📍 · 600
McLean St

Open · Closes 9:30 PM ·
(910) 410-1831



Website



Directions

🗣️ "RCC is a great college with good facilities and instructors"

Partners In Ministry

4.7 ★★★★★ (13)

Non-profit organization · 📍 · 12
3rd St

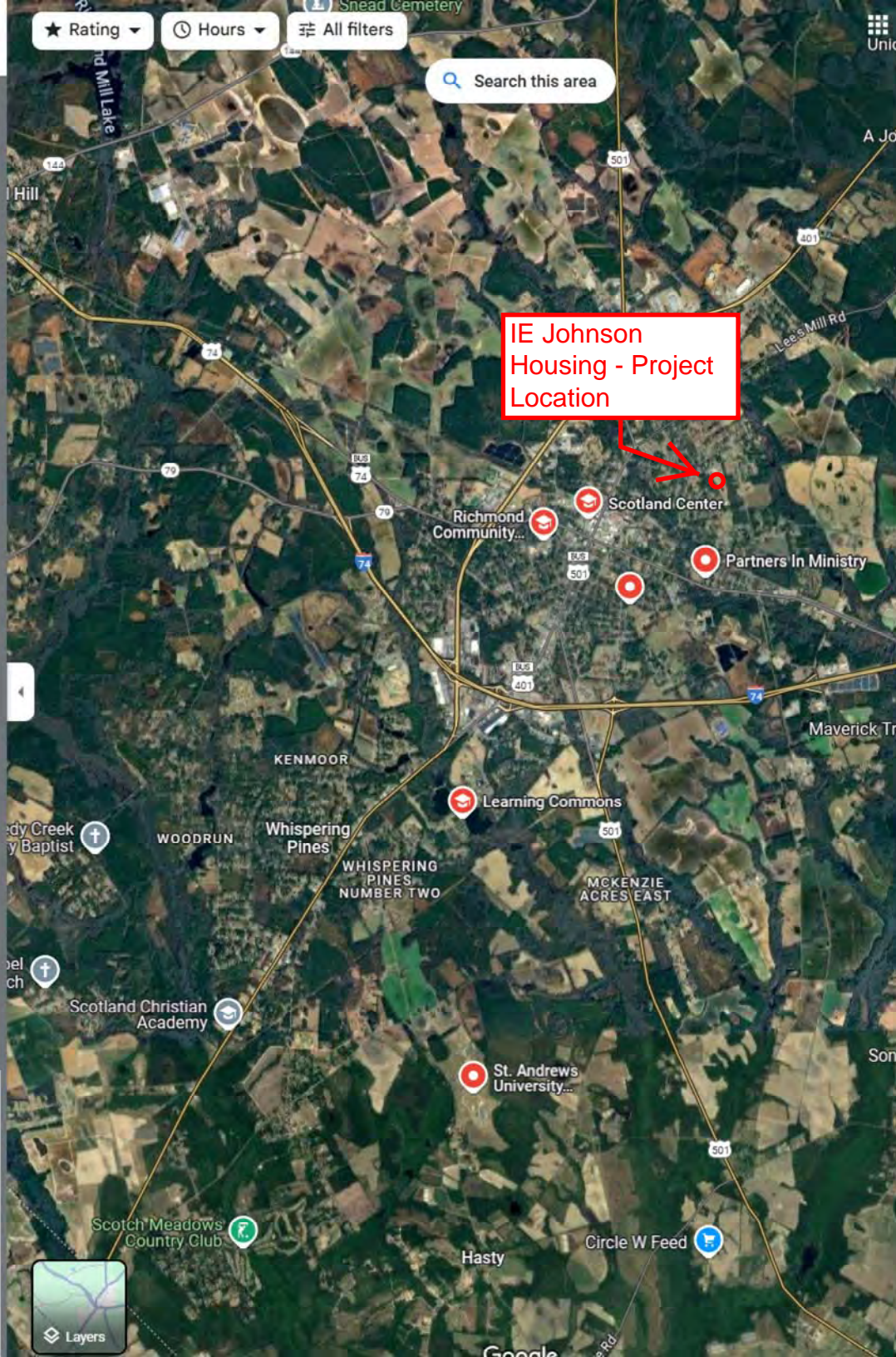
Open · Closes 6 PM ·
(910) 277-3355



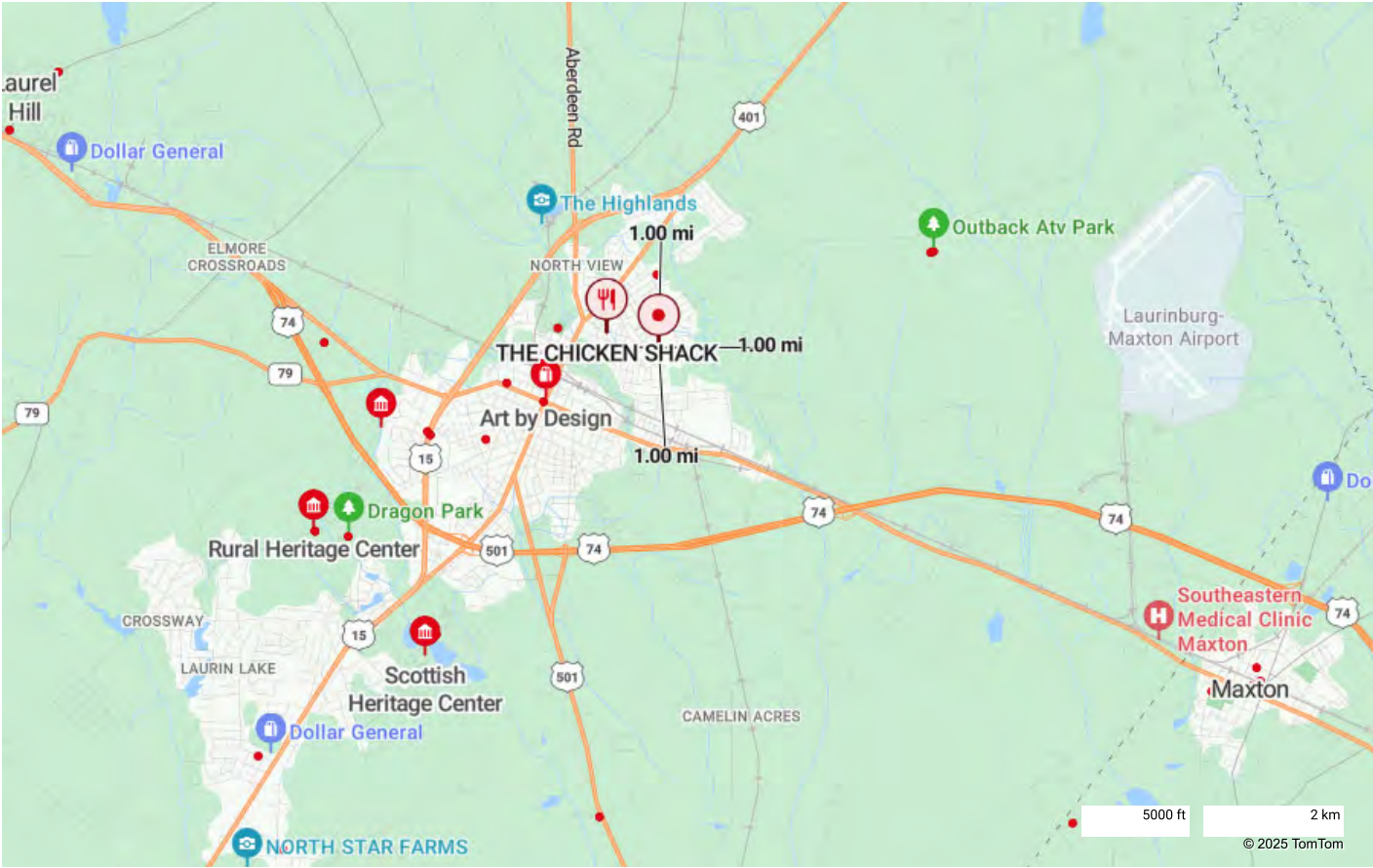
Website



Directions



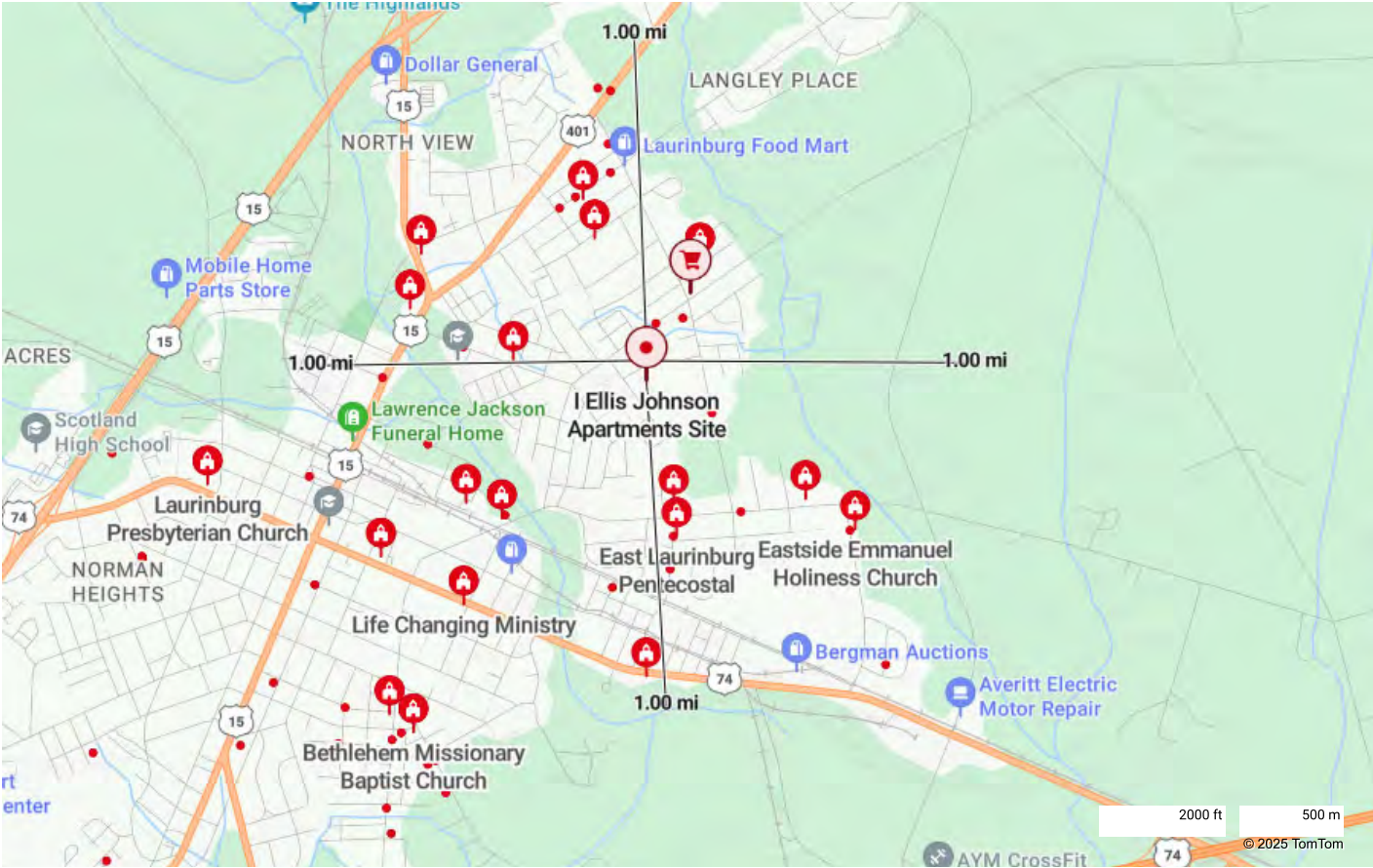
MUSEUMS



museums

- 1 Rural Heritage Center**
Address: 13043 X Way Rd, Laurinburg, NC 28352
Phone: (910) 277-2456
Website: <https://www.nc-rural-heritage.com/>
- 3 Scottish Heritage Center**
Address: 1700 Dogwood Mile St, Laurinburg, NC 28352
Phone: (910) 277-5236
Website: <https://www.sa.edu/about/scottish-heritage-center/>
- 5 Medical Museum**
Address: 125 S Marlboro St, Bennettsville, SC 29512
Phone: (843) 479-5624
- 7 National Railroad Museum**
Address: 120 E Spring St, Hamlet, NC 28345
Phone: (910) 318-5225
Website: <https://www.visitnc.com/listing/cC6o/national-railroad-museum-hall-of-fame>
- 9 John Charles McNeill House**
Address: 20663 Spring Hill Rd, Wagram, NC 28396-9547
Phone: (385) 347-6194
- 11 Discovery Place Kids-Rockingham**
Address: 233 E Washington St, Rockingham, NC 28379
Phone: (910) 997-5266
Website: <https://kids.discoveryplace.org/rockingham/>
- 13 James W Dillon House Museum**
Address: 1302 W Main St, Dillon, Sc 29536
Phone: (843) 774-9051
- 15 Art by Design**
Address: 325 S Main St, Laurinburg, NC 28352
Phone: (910) 610-1133
Website: <https://www.laurinburgchamber.com/>
- 17 Union Station Railroad Museum**
Address: 100 E Main St, Aberdeen, NC 28315
Phone: (910) 757-0161
Website: <https://www.townofaberdeens.net/pview.aspx?id=2283&catid=26>
- 2 Indian Museum of Carolinas**
Address: 607 Turnpike Rd, Laurinburg, Nc 28352
Phone: (910) 277-2456
Website: <https://www.nc-rural-heritage.com/>
- 4 Love Library&Museum**
Address: 107 N Marlboro St, Mc Coll, SC 29570
Phone: (843) 523-6868
Website: <http://love-library-museum.business.site/>
- 6 Hamlet Depot&Museums**
Address: 2 W Main St, Hamlet, NC 28345
Phone: (910) 582-0603
Website: <https://hamlethistoricdepot.org/>
- 8 Museum of the Southeast American Indian**
Address: 1369 Old Main Rd 28372
Phone: (910) 521-6282
Website: <https://www.uncp.edu/resources/museum-southeast-american-indian>
- 10 Red Springs Historical Museum**
Address: 506 E 4th Ave, Red Springs, NC 28377-1636
Phone: (910) 843-7300
Website: http://www.redsprings.org/index.asp?SEC=AB534596-98E9-45F5-B3F6-A769875CAA02&Type=B_BASIC
- 12 Raeford Hoke Museum**
Address: 111 S Highland St, Raeford, NC 28376-3303
Phone: (910) 875-2279
Website: <https://www.hokecounty.net/585/Museum>
- 14 Cheraw Lyceum Museum**
Address: 200 Market St, Cheraw, SC 29520-2414
Phone: (843) 537-8401
Website: <http://cheraw.com/>
- 16 Exploration Station**
Address: 104 N Chestnut St, Lumberton, NC 28358
Phone: (910) 738-1114
Website: <http://www.explorationstationnc.org/>
- 18 Southern African American Heritage Center**
Address: 125 Kershaw St, Cheraw, SC 29520-2407
Phone: (843) 921-9989

PLACES OF WORSHIP



churches

- 1 Calvary Baptist Church**
Address: 800 Old Lumberton Rd, Laurinburg, NC 28352
Phone: (910) 276-4212
Website: <https://www.calvaryes.org/>
- 3 First Baptist Church**
Address: 302 E Church St, Laurinburg, NC 28352-3856
Phone: (910) 276-2161
Website: <https://www.fbclaurinburg.org/>
- 5 Union Grove Baptist Church**
Address: 1019 Shaw St, Laurinburg, NC 28352
Phone: (910) 276-5422
Website: <https://nationalbaptist.com/>
- 7 Life Changing Ministry**
Address: 441 E Church St, Laurinburg, NC 28352
Phone: (910) 506-4921
Website: <https://www.facebook.com/people/Life-Changing-Ministry/100068367830757/>
- 9 Graham Temple Church of God**
Address: 501 R Graham St, Laurinburg, NC 28352
Phone: (910) 291-0151
Website: <http://www.churchofgod.cc/>
- 11 Bethlehem Missionary Baptist Church**
Address: 439 Stewartsville Rd, Laurinburg, NC 28352-4963
Phone: (910) 276-7795
Website: <http://www.bethlehemofbonham.net/>
- 13 Beth-El Living Word Ministry**
Address: 17201 Old Lumberton Rd, Laurinburg, NC 28352-6429
Phone: (910) 276-0077
- 15 Mt Olive Seventh Day Adventist Church**
Address: 801 S Caledonia Rd, Laurinburg, NC 28352
Phone: (910) 276-6515
Website: <https://laurinburgmtolivenc.adventistchurch.org/>
- 17 Eastside Emmanuel Holiness Church**
Address: 14760 Kiser Rd, Laurinburg, Nc 28352
Phone: (910) 266-9052
- 2 East Laurinburg Pentecostal**
Address: 302 Sanford Rd, Laurinburg, NC 28352
Phone: (910) 276-1869
Website: <https://www.eastlcog.org/>
- 4 Solid Rock Baptist Church**
Address: 320 E Bizzell St, Laurinburg, NC 28352
Phone: (910) 276-7726
Website: <https://www.solidrockchurchsc.com/>
- 6 Bright Hopewell Baptist Church**
Address: 601 S Main St, Laurinburg, NC 28352-4535
Phone: (910) 276-0774
Website: <https://www.facebook.com/people/Bright-Hope-well-Missionary-Baptist-Church/100064691322778/>
- 8 North Laurinburg Baptist Church**
Address: 517 Lees Mill Rd, Laurinburg, NC 28352-2763
Phone: (910) 276-2382
Website: <https://www.facebook.com/people/North-Laurinburg-Baptist-Church/100064800187971/>
- 10 East Laurinburg Church of God**
Address: 16620 Andrew Jackson Hwy, Laurinburg, NC 28352
Phone: (910) 276-2184
Website: <https://www.eastlcog.org/>
- 12 Glory's Light Outreach**
Address: 716 Aberdeen Rd, Laurinburg, NC 28352-2689
Phone: (910) 277-1600
Website: <https://www.facebook.com/GLORYSLIGHTOUTREACHMINISTRY/>
- 14 Westminister Presbyterian Church**
Address: 234 Mcgirts Bridge Rd, Laurinburg, NC 28352
Phone: (910) 276-2846
- 16 Laurinburg Presbyterian Church**
Address: 600 W Church St, Laurinburg, NC 28352
Phone: (910) 276-0831
Website: <http://laurinburgpres.com/>
- 18 St Margret Bible Pentecostal**
Address: 105 N Caledonia Rd, Laurinburg, NC 28352-8683
Phone: (910) 277-1868

cultural facilities



★ Rating ▾

🕒 Hours ▾

⚙️ All filters



Search this area

Results ⓘ

Story Telling Art Center of SE

4.8 ★★★★★ (29)

Arts organization · 🚶 · 131 S Main St



🗣️ "Very beautiful antique items"

North Carolina Rural Heritage Center

4.5 ★★★★★ (110)

Historical place museum · 🚶 · 13021 X Way Rd

Closed · Opens 10 AM Sat



🗣️ "Great museum, awesome artifacts!"

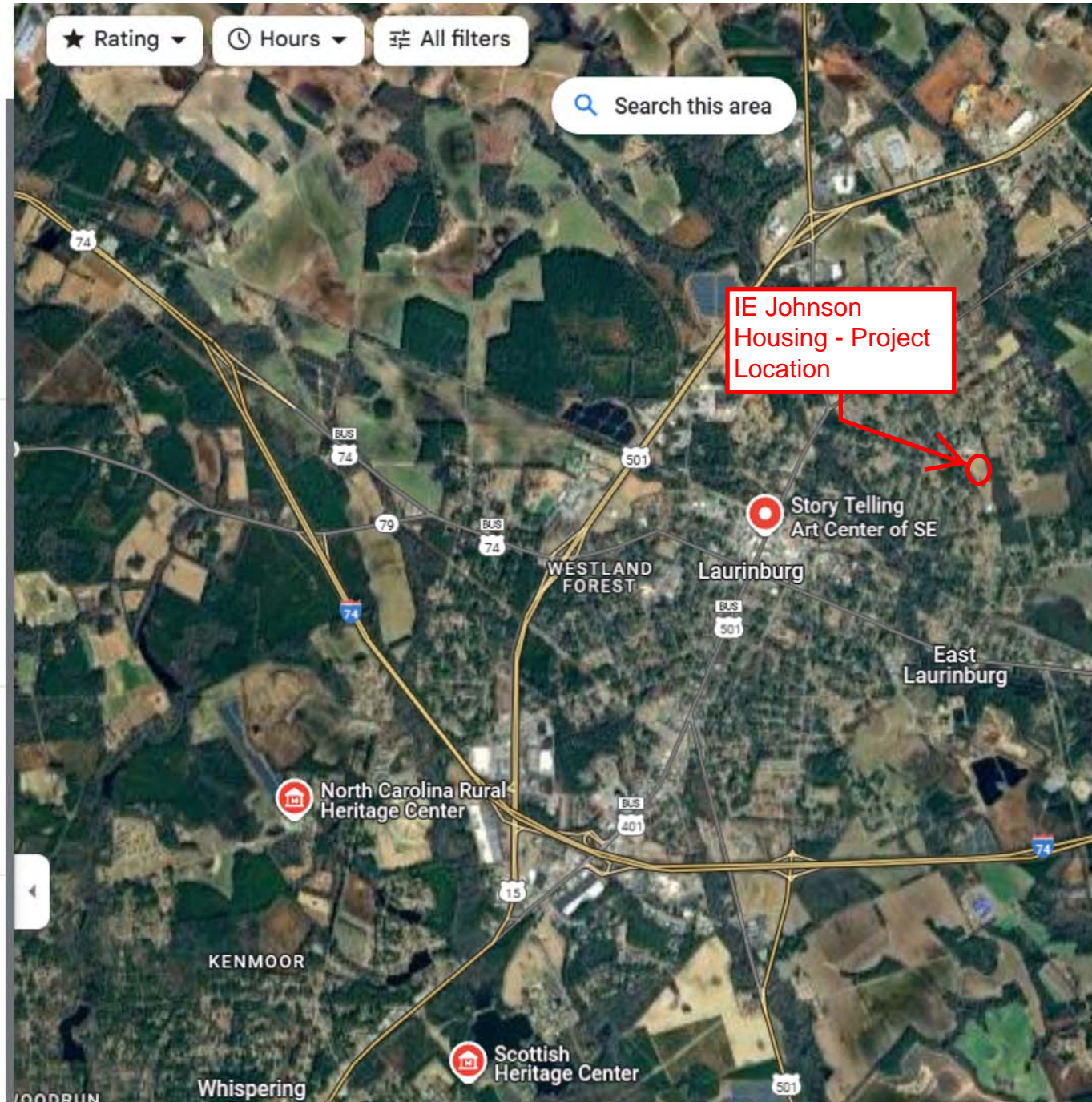
Scottish Heritage Center

5.0 ★★★★★ (4)

Heritage museum · 🚶 · 2100 St Andrews College Dr



You've reached the end of the list.



ATTACHMENT 20:

Commercial Facilities

Commercial Facilities Maps Search Results

businesses



★ Rating ▾

🕒 Hours ▾

⚙️ All filters

Sign in

Results ①

Richmond County Chamber of Commerce

5.0 ★★★★★ (4)

Chamber of Commerce · 📍 · 505

Rockingham Rd

Open · Closes 5 PM ·

(910) 895-9058

Onsite services · Online appointments



Website



Directions

Laurinburg/Scotland County Area Chamber of Commerce

4.9 ★★★★★ (9)

Chamber of Commerce · 📍 · 606

Atkinson St

Open · Closes 5 PM ·

(910) 276-7420

🗣️ "It was nice to talk to the staff about the upcoming trash cleanup."



Website



Directions

Utley Consulting LLC

5.0 ★★★★★ (1)

Accounting firm

Open · Closes 6 PM ·

(910) 817-0115

🗣️ "I hands down would recommend them for any of your business needs."



Website



Directions

G B Baines & Associates

4.0 ★★★★★ (4)

Accountant · 📍 · 213 E Cronly St B

(910) 276-2737

🗣️ "They do a great job with personal and business accounts."



Website



Directions

Young Tax Service

5.0 ★★★★★ (1)

Accountant · 📍 · 303 Atkinson St Unit C

Open · Closes 6 PM · (919) 292-3505



Directions

Training & Development Associates

3.0 ★★★★★ (2)

Business management consultant

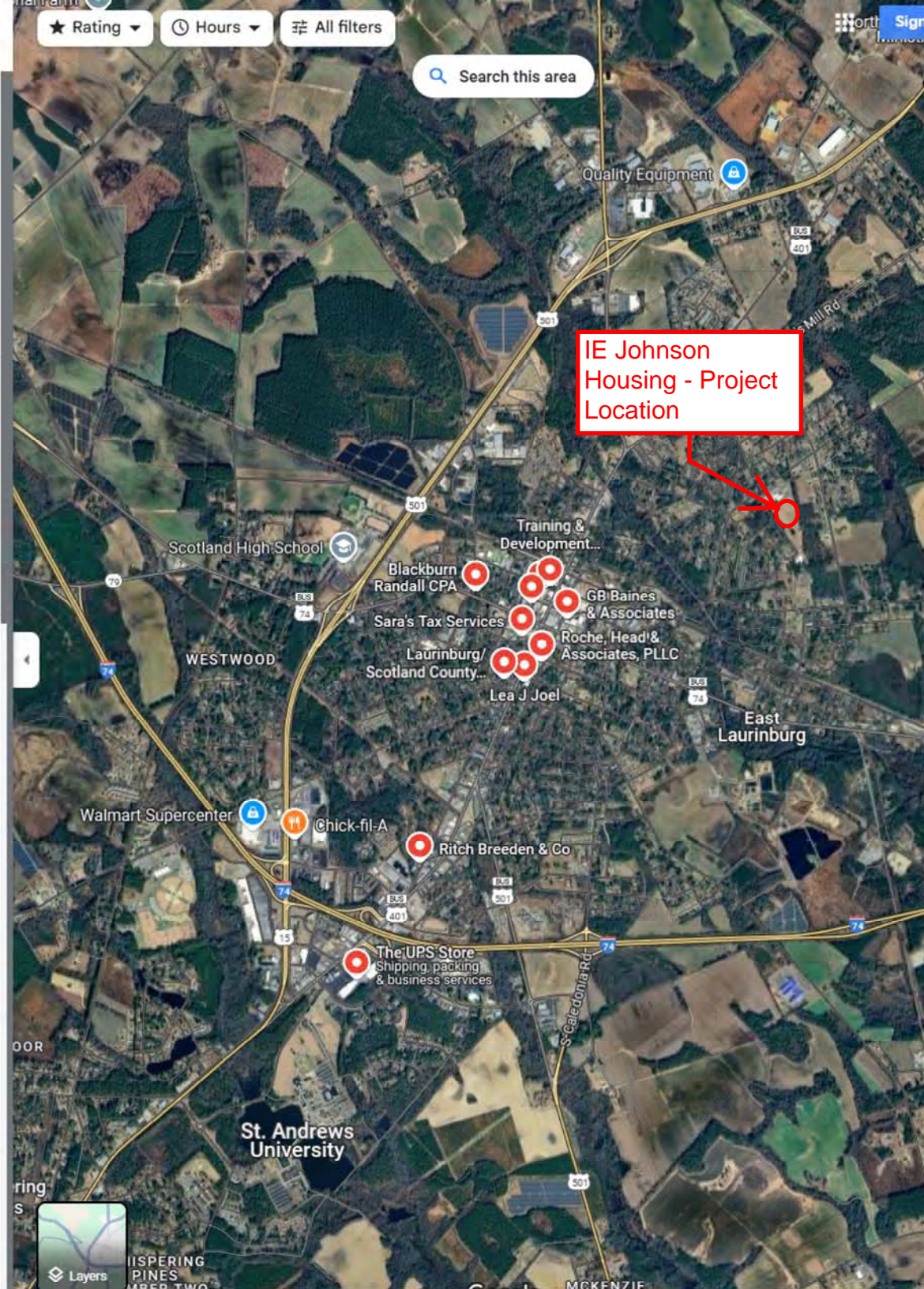
· 📍 · 131 Atkinson St B



Website



Directions



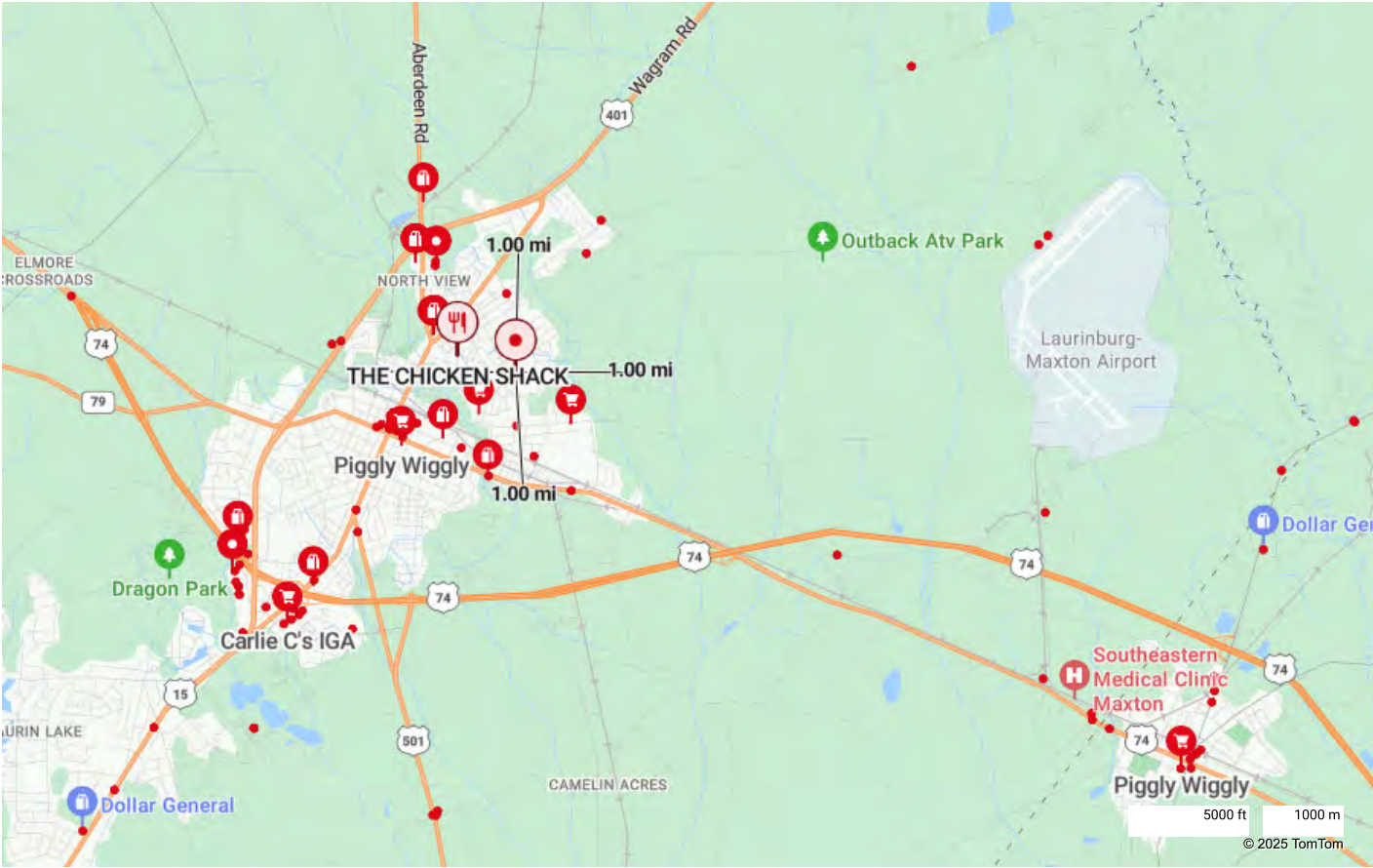
BANKS



banks

- 1 PNC Bank**
Address: 505 S Main St, Laurinburg, NC 28352
Phone: (910) 277-3650
Website: <https://apps.pnc.com/locator/location-details/north-carolina/laurinburg/28352/00925040/laurinburg?lnsrc=branch-listing-bing>
- 3 First Bank - Laurinburg, NC**
Address: 601 South Main St., Laurinburg, NC 28353
Phone: (910) 277-0801
Website: https://localfirstbank.com/branches/laurinburg/?y_source=1_MTQ5MjIwOTItNDgzLWxvY2F0aW9uLndIYnNpdGU%3D
- 5 Truist - ATM**
Address: 400 S MAIN ST, LAURINBURG, NC 28352
Phone: (910) 276-2775
Website: <https://www.truist.com/atm/nc/laurinburg/28352/400-s-main-st?cid=local-seo>
- 7 State Employees' Credit Union**
Address: 381 Plaza Rd, Laurinburg, NC 28352
Phone: (910) 276-9636
Website: <https://locations.ncsecu.org/laurinburg/381-plaza-rd>
- 9 Self-Help Credit Union**
Address: 701 S Main St, Laurinburg, NC 28352
Phone: (910) 276-4995
Website: <https://www.self-help.org/locations/laurinburg-branch>
- 11 ATM**
Address: 1612 S Main St, Laurinburg, NC 28352
Website: https://network.americanexpress.com/globalnetwork/atm_locator/en/
- 13 Old East Laurinburg School-Food Bank**
Address: 12 3rd St, Laurinburg, NC
Phone: (910) 277-3355
Website: <https://pim-nc.org/>
- 15 Mariner Finance**
Address: 1333 Scotland Crossing Dr, Laurinburg, NC 28352
Phone: (910) 277-7432
Website: <https://locations.marinerfinance.com/north-carolina/personal-loans-in-laurinburg-nc>
- 17 National Finance Company**
Address: 1419 S Main St Ste A, Laurinburg, NC 28352
Phone: (910) 276-5450
Website: <https://www.nfcmoney.com/locations/laurinburg-nc/>
- 2 Wells Fargo Bank**
Address: 203 Lauchwood Dr, Laurinburg, NC 28352
Phone: (910) 277-9270
Website: https://www.wellsfargo.com/locator/bank/203__LAUCHWOOD__DR_LAURINBURG_NC_28352/?utm_campaign=Local_Listings&utm_source=Others&group=Community_Bank&loc=AC23858
- 4 First Capital Bank**
Address: 909 S Main St, Laurinburg, NC 28352
Phone: (910) 610-4343
Website: <https://fcbcarolinas.com/>
- 6 Woodforest National Bank**
Address: 901 US Highway 401 S, Laurinburg, NC 28352
Phone: (910) 276-1191
Website: <https://www.woodforest.com/>
- 8 ATM**
Address: 16440 Andrew Jackson Hwy, Laurinburg, NC 28352
Website: https://network.americanexpress.com/globalnetwork/atm_locator/en/
- 10 ATM**
Address: 601 S Main St, Laurinburg, NC 28352
Phone: (601) 762-4678
- 12 ATM**
Address: 1135 S Main St, Laurinburg, NC 28352
Phone: (910) 277-3650
- 14 ATM**
Address: 12500 Mccoll Rd, Laurinburg, NC 28352
Phone: (888) 732-8562
Website: <http://www.ncsecu.org/accounts/services/cashpoints-atm>
- 16 OneMain Financial**
Address: 961 S 401 Bypass Hwy, Laurinburg, NC 28352
Phone: (910) 277-0021
Website: https://www.onemainfinancial.com/branches/nc/laurinburg/28352/3972?utm_source=facebook&utm_medium=local&utm_campaign=facebook-local
- 18 Home Credit Corporation**
Address: 1703 Us Highway 15 401 Byp, Laurinburg, NC 28352
Phone: (910) 266-9886
Website: <https://www.hccloans.com/>

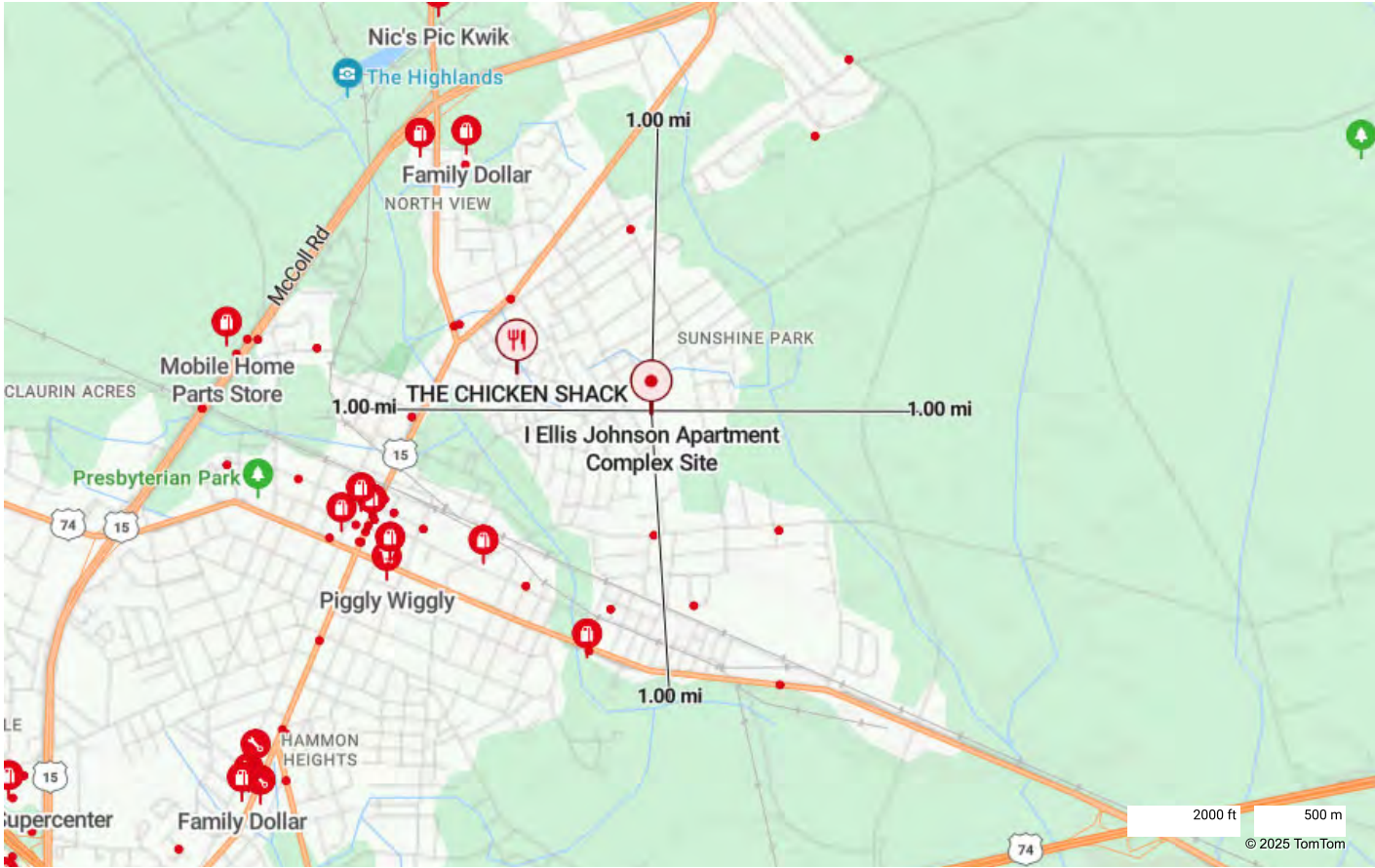
GROCERY STORES



grocery store

- 1 Food Lion**
Address: 1301 Scotland Crossing Dr, Laurinburg, NC 28352
Phone: (910) 277-7550
Website: https://foodlion.com/home?y_source=1_NTA0NjM3Ni00ODMtG9jYXRpb24ud2Vic2l0ZQ%3D%3D
- 3 C&B Grocery&Fish Market**
Address: 404 N Caledonia Rd, Laurinburg, NC 28352
Phone: (910) 276-8935
Website: <https://www.facebook.com/people/CB-Grocery-Fish-Market/100054659790216/>
- 5 Food Lion**
Address: 1108 Aberdeen Rd, Laurinburg, NC 28352
Phone: (910) 276-2077
Website: https://stores.foodlion.com/nc/laurinburg/1108-aberdeen-rd?y_source=1_NTA0NjM0My00ODMtG9jYXRpb24ud2Vic2l0ZQ%3D%3D
- 7 Brothers in the Hood Market**
Address: 704C Aberdeen Rd, Laurinburg, NC 28352
Phone: (910) 276-2219
Website: <https://www.h2owireless.com/>
- 9 Walmart Supercenter**
Address: 901 US Highway 401 S, Laurinburg, NC 28352
Phone: (910) 277-7770
Website: <https://www.walmart.com/store/1255-laurinburg-nc>
- 11 Community Mart**
Address: 16440 Andrew Jackson Hwy, Laurinburg, NC 28352
Phone: (910) 276-4011
Website: <https://www.citgo.com/>
- 13 Shop Right**
Address: 704C Aberdeen Rd, Laurinburg, NC 28352
Phone: (843) 456-8365
- 15 Scotland Stop&Shop**
Address: 1612 S Main St, Laurinburg, Nc 28352
Phone: (910) 276-7888
Website: <https://stopandshop.com/>
- 17 SAM'S GAS&GROCERY 3**
Address: 9740 Andrew Jackson Hwy, Laurel Hill, NC 28351
Phone: (910) 462-3377
Website: <https://citgo.com/>
- 2 Piggly Wiggly**
Address: 229 E Church St, Laurinburg, NC 28352
Phone: (910) 277-8165
Website: <https://www.pigglywiggly.com/store-locations/north-carolina/>
- 4 Carlie C's IGA**
Address: 1688 S Main St, Laurinburg, NC 28352
Phone: (910) 276-0110
Website: <https://www.carliecs.com/>
- 6 Dollar General**
Address: 1081 Aberdeen Rd, Laurinburg, NC 28352
Phone: (910) 706-8600
Website: <https://www.dollargeneral.com/store-directory/nc/laurinburg/6287>
- 8 Harry Food Mart**
Address: 17160 Old Lumberton Rd, Laurinburg, Nc 28352
Phone: (910) 361-4753
- 10 Piggly Wiggly**
Address: 104 S Patterson St, Maxton, NC 28364
Phone: (910) 844-3671
Website: <https://www.pigglywiggly.com/>
- 12 David E Breeden Services&Grocery**
Address: 22904 Aberdeen Rd, Laurinburg, NC 28352-7300
Phone: (910) 276-6333
Website: <http://www.ritchbreedencpa.com/>
- 14 Rob's Convenience**
Address: 130 S Caledonia Rd, Laurinburg, NC 28352
Phone: (910) 277-7465
- 16 Nic's Pic Kwik**
Address: 17341 Aberdeen Rd, Laurinburg, NC 28352
Phone: (910) 276-8908
Website: <https://www.shell.com/>

STORES



stores

- 1 Family Dollar**
Address: 1112 Aberdeen Rd, Northside Square,
Laurinburg, NC 28352
Phone: (910) 384-0642
Website: <https://locations.familydollar.com/nc/laurinburg/1112-aberdeen-rd>
- 3 Dollar General**
Address: 1081 Aberdeen Rd, Laurinburg, NC 28352
Phone: (910) 706-8600
Website: <https://www.dollargeneral.com/store-directory/nc/laurinburg/6287>
- 5 McNair Town&Country Store**
Address: 121 Fairley St, Laurinburg, NC 28352
Phone: (910) 276-2812
Website: <http://thetownandcountrycollection.com/>
- 7 Community Mart**
Address: 16440 Andrew Jackson Hwy, Laurinburg, NC 28352
Phone: (910) 276-4011
Website: <https://www.citgo.com/>
- 9 Piggly Wiggly**
Address: 229 E Church St, Laurinburg, NC 28352
Phone: (910) 277-8165
Website: <https://www.pigglywiggly.com/store-locations/north-carolina/>
- 11 O'Reilly Auto Parts**
Address: 1123 S Main St, Laurinburg, NC 28352
Phone: (910) 266-0003
Website: <https://locations.oreillyauto.com/nc/laurinburg/autoparts-1992.html>
- 13 Advance Auto Parts**
Address: 1216 S Main St, Laurinburg, NC 28352
Phone: (910) 266-8983
Website: https://stores.advanceautoparts.com/nc/laurinburg/1216-s-main-st?utm_medium=local&utm_source=yext&utm_content=listing-2016-12-29&utm_campaign=aap
- 15 Belk**
Address: 1339 Scotland Crossing Drive, Laurinburg, NC 28352
Phone: (910) 276-2431
Website: <https://www.belk.com/store/belk-laurinburg-nc/?StoreID=565>
- 17 Dollar Tree**
Address: 1686 S. Main St, Laurinburg, NC 28352
Phone: (910) 384-0475
Website: <https://locations.dollartree.com/nc/laurinburg/1686-s-main-st>
- 2 Kimbrell's Furniture**
Address: 234 E Church St, Laurinburg, NC 28352
Phone: (910) 277-8588
Website: https://www.kimbrells.com/?utm_source=bing&utm_medium=yext&y_source=1_NDkzNDcwMC00ODMtG9jYXRpb24ud2Vic2l0ZQ%3D%3D
- 4 Johnny's Fashions**
Address: 317 Atkinson St, Laurinburg, NC 28352
Phone: (910) 277-0095
Website: <https://www.loc8nearme.com/north-carolina/laurinburg/johnnys-fashions/3096720/>
- 6 Mobile Home Parts Store**
Address: 15860 Scotland High Rd, Laurinburg, NC 28352
Phone: (888) 277-7220
Website: <https://mobilehomepartsstore.com/>
- 8 White's Jewelry&Repair**
Address: 202 S Main St, Laurinburg, NC 28352
Phone: (910) 276-1991
Website: <https://www.loc8nearme.com/north-carolina/laurinburg/whites-jewelry-and-repair/3096725/>
- 10 Family Dollar**
Address: 1221 S Main St, Laurinburg, NC 28352
Phone: (910) 384-0461
Website: <https://locations.familydollar.com/nc/laurinburg/1221-s-main-st>
- 12 AutoZone Auto Parts**
Address: 1203 S Main St, Laurinburg, NC 28352
Phone: (910) 276-3222
Website: <https://www.autozone.com/locations/nc/laurinburg/1203-s-main-st.html>
- 14 Walmart Supercenter**
Address: 901 US Highway 401 S, Laurinburg, NC 28352
Phone: (910) 277-7770
Website: <https://www.walmart.com/store/1255-laurinburg-nc>
- 16 Rob's Convenience**
Address: 130 S Caledonia Rd, Laurinburg, NC 28352
Phone: (910) 277-7465
- 18 Nic's Pic Kwik**
Address: 17341 Aberdeen Rd, Laurinburg, NC 28352
Phone: (910) 276-8908
Website: <https://www.shell.com/>

ATTACHMENT 21:

Health Care and Social Services

Health Services Certification Form, Social Services
Certification Form, Correspondence, and Health Care and
Social Services Maps Search Results

HEALTH SERVICES CERTIFICATION

Project Name: I Ellis Johnson Multi-Family Affordable Housing
Proposed No. of Units: **Total:** 55 Units; **Phase I:** 10 Units; **Phase II:** 45 Units
Address: Corona Avenue, Laurinburg, NC 28352. Identified by Scotland
County's GIS system as **PIN ID: 01008001002** and **PIN ID:**
0100800100201.
Closest Intersection or
Landmark: McGirts Bridge Rd and Corona Ave

Adequate and appropriate Health Services for the proposed project are:

☒ available for the proposed project and ☒ will NOT be adversely affected by the proposed project.

OR

☐ NOT available for the proposed project and/or ☐ will be adversely affected by the proposed project. Explain: _____

Health Service providers/organizations that might serve the proposed project area include:
Scotland County has more than 70 Medical Providers across multiple specialties to provide medical care to the residents. Scotland County Health Department also offers many services through the clinic to include Maternity Care, Family Planning and STD clinic.

Additional Comments/Concerns/Conditions: No Concerns currently.

12/2/24

Date

Amanda Deaver, MPA

(Officials Signature)

Amanda Deaver

(Officials Name – Print or Type)

Health Director

(Official's Title)

Scotland County Health Department

(Department Name)



Re: Environmental Assessment - Health Services Certification Request

From Amanda Deaver <adeaver@scotlandcounty.org>

Date Mon 12/2/2024 10:55 AM

To Miranda Horne <mirandahorne@llandj.com>

 1 attachment (161 KB)

Health Services Certification.pdf;

Good Morning,

I apologize for the delay. I have attached the completed form.

Amanda Deaver, MPA
Health Director
Scotland County Health Department
1405 West Blvd.
Laurinburg, NC 28352
910-277-2440 Ext: 4499
#WeAreNCPublicHealth

On Mon, Dec 2, 2024 at 10:23 AM Miranda Horne <mirandahorne@llandj.com> wrote:

Good morning Mrs. Deaver,

I wanted to follow up regarding my previous email below and see if you had a moment to review the information and respond with the completed word document as requested within the previous email.

Thank you for your time in this matter and please don't hesitate to let me know if you would like to discuss further,

Miranda Horne

Project Manager

Locklear, Locklear & Jacobs, PLLC



PO Box 3119

114 W. 3rd Street

Pembroke, North Carolina 28372

O: (910) 774- 9306 ext. 6

mirandahorne@llandj.com

www.llandj.com

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Please consider the environment before printing this email.

From: Miranda Horne

Sent: Wednesday, September 25, 2024 2:47 PM

To: adeaver@scotlandcounty.org <adeaver@scotlandcounty.org>

Cc: Jonathan Locklear <jonathanlocklear@llandj.com>

Subject: Environmental Assessment - Health Services Certification Request

Mrs. Deaver,

I'm reaching out to you this afternoon in reference to an environmental assessment that the firm I work for is conducting on behalf of a client on a property (subject property) consisting of two separate parcels that will be recombined as shown in the attached Preliminary Site Plan document. The subject property is identified by Scotland County's GIS as **PIN ID: 01008001002 and PIN ID: 0100800100201**. The subject property is the site of a future affordable housing development that involves the new construction of multiple one-, two-, and three-bedroom units of supportive housing targeting households at or below 80% AMI. This project will be broken up into two (2) separate phases with the following preliminary breakdown: **Phase I: 10 units (1- and 2- bedroom units); Phase II: 45 units (2- and 3- bedroom units)**. Units of **Phase I** will be targeted to homeless households. As part of this assessment, it is required that we reach out to various local agencies to request the completion of certification forms for each agency. These forms are used to collect any

known information that may help in determining any negative or positive environmental impacts in relation to the subject property and it's intended end use.

I have taken the liberty of providing you with the following attachments to aid in identifying the subject property location and intended use:

- Vicinity Location Map
- County GIS Data
- I Ellis Johnson Preliminary Site Plan Layout

We request that you complete the attached word document labeled "**Health Services Certification**" to the best of your ability and send back your response at your earliest convenience. Some of the information within has already been pre-filled for your convenience.

If you have any questions about any of the above information or would prefer to discuss further via phone call, please don't hesitate to contact me at the number below.

Thank you,

Miranda Horne

Project Manager

Locklear, Locklear & Jacobs, PLLC



PO Box 3119

114 W. 3rd Street

Pembroke, North Carolina 28372

O: (910) 774- 9306 ext. 6

mirandahorne@llandj.com

www.llandj.com

SOCIAL SERVICES CERTIFICATION

Project Name: I Ellis Johnson Multi-Family Affordable Housing
Proposed No. of Units: Total: 55 Units; Phase I: 10 Units; Phase II: 45 Units
Address: Corona Avenue, Laurinburg, NC 28352. Identified by Scotland County's GIS system as PIN ID: 01008001002 and PIN ID: 0100800100201.
Closest Intersection or Landmark: McGirts Bridge Rd and Corona Ave

Adequate and appropriate Social Services for the proposed project are:

☒ available for the proposed project and ☒ will NOT be adversely affected by the proposed project.

OR

☐ NOT available for the proposed project and/or ☐ will be adversely affected by the proposed project. Explain: _____

Social organizations that might serve the proposed project area include:

Church Community Services

Additional Comments/Concerns/Conditions: _____

12.9.24

Date

(Officials Signature)

Kimberly McRae

(Officials Name – Print or Type)

DSS Director

(Official's Title)

Scotland Co. Social Services

(Department Name)



RE: Fw: Environmental Assessment - Social Services Certification Request

From Joy Hine <jhine@scotlandcounty.org>

Date Mon 12/9/2024 9:52 AM

To Miranda Horne <mirandahorne@llandj.com>; Jonathan Locklear <jonathanlocklear@llandj.com>; Judd Roth <judd@jkrred.com>

Cc Kimberly McRae <kmcrae@scotlandcounty.org>

 1 attachment (645 KB)

Public Transp & Soc Services Certifications.pdf;

Please find the attached information that you requested. If you have any questions, please feel free to reach out.

Thanks,

Joy

Joy G Hine

Program Administrator

Scotland County Department of Social Services

910-277-2500 ext 3346

910-277-2402 Fax

jhine@scotlandcounty.org

From: Miranda Horne <mirandahorne@llandj.com>

Sent: Monday, December 9, 2024 7:58 AM

To: Joy Hine <jhine@scotlandcounty.org>; Jonathan Locklear <jonathanlocklear@llandj.com>; Judd Roth <judd@jkrred.com>

Cc: kmcrae@scotlandcounty.org

Subject: RE: Fw: Environmental Assessment - Social Services Certification Request

Mrs. Hine,

Thank you for your quick response. Regarding the Transportation Certification Form, it seems that there were a few items we were given the incorrect point of contact information on. I caught this last Friday after our initial exchange and have sent this form to the District Engineer with NCDOT.

Again, my apologies for the confusion. We really appreciate your help in this matter!

Best Regards,

Miranda Horne
Project Manager

Locklear, Locklear & Jacobs, PLLC*PO Box 3119*

114 W. 3rd Street
Pembroke, North Carolina 28372
O: (910) 774- 9306 ext. 6

mirandahorne@llandj.com
www.llandj.com

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Please consider the environment before printing this email.

From: Joy Hine <jhine@scotlandcounty.org>
Sent: Monday, December 9, 2024 7:48 AM
To: Jonathan Locklear <jonathanlocklear@llandj.com>; Judd Roth <judd@jkrred.com>; Miranda Horne <mirandahorne@llandj.com>
Cc: kmcrae@scotlandcounty.org
Subject: RE: Fw: Environmental Assessment - Social Services Certification Request

No problem, I will forward the ones we have for SCATS (Public Transportation Cortication) and DSS (Social Services Certification). However, there was a third one included in the packet, which does not seem to pertain to us that is for a Transportation Certification. I would think you would need to coordinate with someone from NCDOT for that one.

Thanks,
Joy

Joy G Hine
Program Administrator
Scotland County Department of Social Services
910-277-2500 ext 3346
910-277-2402 Fax
jhine@scotlandcounty.org

From: Jonathan Locklear <jonathanlocklear@llandj.com>
Sent: Sunday, December 8, 2024 9:50 AM
To: Judd Roth <judd@jkrred.com>; Miranda Horne <mirandahorne@llandj.com>
Cc: jhine@scotlandcounty.org
Subject: RE: Fw: Environmental Assessment - Social Services Certification Request

Thanks for the response Judd.

Mrs. Joy,

Since the decision was made to move forward with completing these EA compliance items, please send us the information requested as soon as possible.

Thank you.

Jonathan E. Locklear, PE

VP

Locklear, Locklear & Jacobs, PLLC



PO Box 3119

114 W. 3rd Street

Pembroke, North Carolina 28372

O: (910) 774- 9306 ext. 3

jonathanlocklear@llandj.com

www.llandj.com

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 Please consider the environment before printing this email.

From: Judd Roth <judd@jkrred.com>

Sent: Sunday, December 8, 2024 8:47 AM

To: Miranda Horne <mirandahorne@llandj.com>

Cc: Jonathan Locklear <jonathanlocklear@llandj.com>; jhine@scotlandcounty.org

Subject: Re: Fw: Environmental Assessment - Social Services Certification Request

Miranda, please follow up with Joy. The item is needed for NCHFA & NCOR.

If there is no response, please submit the environmental accordingly asap.

Judd

On Fri, Dec 6, 2024 at 11:20 AM Miranda Horne <mirandahorne@llandj.com> wrote:

Judd,

After a discussion with Jonathan, we think it is in the best interest if a response to the email below came from you. We need these certification requests (Social Services, Transportation, and Public Transportation) completed as part of the Part 58 completion. I am in the process of trying to get this

submitted to NCHFA and NCORR today. I will hold off as long as I can to try and get a response back on this matter, however; Claudia has already sent me the submission link and there is an expiration to access it.

Thank you for your assistance,

Miranda Horne

Project Manager

Locklear, Locklear & Jacobs, PLLC



PO Box 3119

114 W. 3rd Street

Pembroke, North Carolina 28372

O: (910) 774- 9306 ext. 6

mirandahorne@llandj.com

www.llandj.com

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From: Joy Hine <jhine@scotlandcounty.org>

Sent: Friday, December 6, 2024 11:09 AM

To: Miranda Horne <mirandahorne@llandj.com>

Cc: kmcrae@scotlandcounty.org <kmcrae@scotlandcounty.org>; Jonathan Locklear <jonathanlocklear@llandj.com>

Subject: Re: Environmental Assessment - Social Services Certification Request

Hi Ms. Horne,

I am reaching out to explain that our lack of reply has been due to information that this project did not receive the funding needed to proceed. It is our understanding that the project will not be moving forward. Please let me know if this is not the case and if you still need the information requested.

Thanks,
Joy

Joy G Hine
Program Administrator
Scotland County Department of Social Services
910-277-2500 ext 3346
910-277-2402 Fax
jhine@scotlandcounty.org

On Mon, Dec 2, 2024 at 9:45 AM Miranda Horne <mirandahorne@llandj.com> wrote:

Good morning Mrs. McRae,

I wanted to follow up regarding my previous emails below and see if you and Mrs. Hine had a moment to review the information and respond with the completed word document as requested within the previous email.

Thank you for your time in this matter and please don't hesitate to let me know if you would like to discuss further,

Miranda Horne

Project Manager

Locklear, Locklear & Jacobs, PLLC

PO Box 3119

114 W. 3rd Street

Pembroke, North Carolina 28372

O: (910) 774- 9306 ext. 6

mirandahorne@llandj.com

www.llandj.com

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the message and its attachments, if any, destroy any hard copies you may have created, and notify the sender immediately. Thank you.



Please consider the environment before printing this email.

From: Miranda Horne

Sent: Wednesday, September 25, 2024 3:22 PM

To: kmcrae@scotlandcounty.org <kmcrae@scotlandcounty.org>; jhine@scotlandcounty.org <jhine@scotlandcounty.org>

Cc: Jonathan Locklear <jonathanlocklear@llandj.com>

Subject: RE: Environmental Assessment - Social Services Certification Request

Mrs. McRae,

Based on the contact list that was provided to us by Mike McGirt and Krista Rodgers, it appears that you would also be the contact for the **Transportation Certification** Form that we need completed as well as Mrs. Hine for the **Public Transportation Certification**. In an effort to alleviate as much confusion as possible for all, I have re-attached the documents from my original email mentioned below, attached both **Transportation Certification** forms, and copied Mrs. Hine in on this email as well

Please complete all 3 Certification Word Documents at your earliest convenience and if either of you have any questions regarding any information stated, feel free to give me a call to discuss!

Thank you in advance for any information you are able to provide,

Miranda Horne

Project Manager

Locklear, Locklear & Jacobs, PLLC

PO Box 3119

114 W. 3rd Street

Pembroke, North Carolina 28372

O: (910) 774- 9306 ext. 6

mirandahorne@llandj.com

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Please consider the environment before printing this email.

From: Miranda Horne

Sent: Wednesday, September 25, 2024 2:48 PM

To: kmcrae@scotlandcounty.org

Cc: Jonathan Locklear <jonathanlocklear@llandj.com>

Subject: Environmental Assessment - Social Services Certification Request

Mrs. McRae,

I'm reaching out to you this afternoon in reference to an environmental assessment that the firm I work for is conducting on behalf of a client on a property (subject property) consisting of two separate parcels that will be recombined as shown in the attached Preliminary Site Plan document. The subject property is identified by Scotland County's GIS as **PIN ID: 01008001002 and PIN ID: 0100800100201**. The subject property is the site of a future affordable housing development that involves the new construction of multiple one-, two-, and three-bedroom units of supportive housing targeting households at or below 80% AMI. This project will be broken up into two (2) separate phases with the following preliminary breakdown: **Phase I: 10 units (1- and 2-bedroom units); Phase II: 45 units (2- and 3- bedroom units)**. Units of **Phase I** will be targeted to homeless households. As part of this assessment, it is required that we reach out to various local agencies to request the completion of certification forms for each agency. These forms are used to collect any known information that may help in determining any negative or positive environmental impacts in relation to the subject property and it's intended end use.

I have taken the liberty of providing you with the following attachments to aid in identifying the subject property location and intended use:

- Vicinity Location Map
- County GIS Data
- I Ellis Johnson Preliminary Site Plan Layout

We request that you complete the attached word document labeled “**Social Services Certification**” to the best of your ability and send back your response at your earliest convenience. Some of the information within has already been pre-filled for your convenience.

If you have any questions about any of the above information or would prefer to discuss further via phone call, please don't hesitate to contact me at the number below.

Thank you,

Miranda Horne

Project Manager

Locklear, Locklear & Jacobs, PLLC

PO Box 3119

114 W. 3rd Street

Pembroke, North Carolina 28372

O: (910) 774- 9306 ext. 6

mirandahorne@llandj.com

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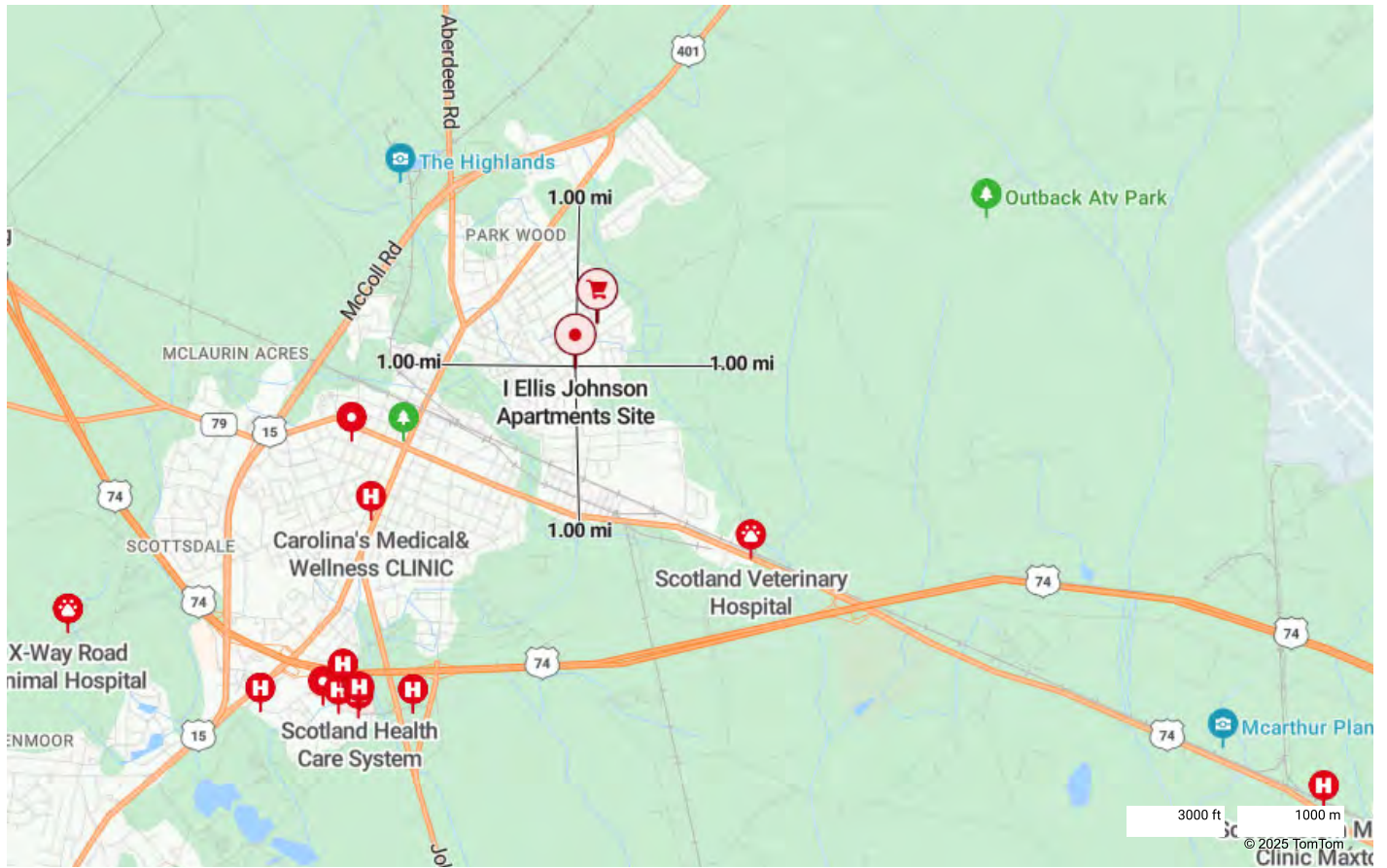


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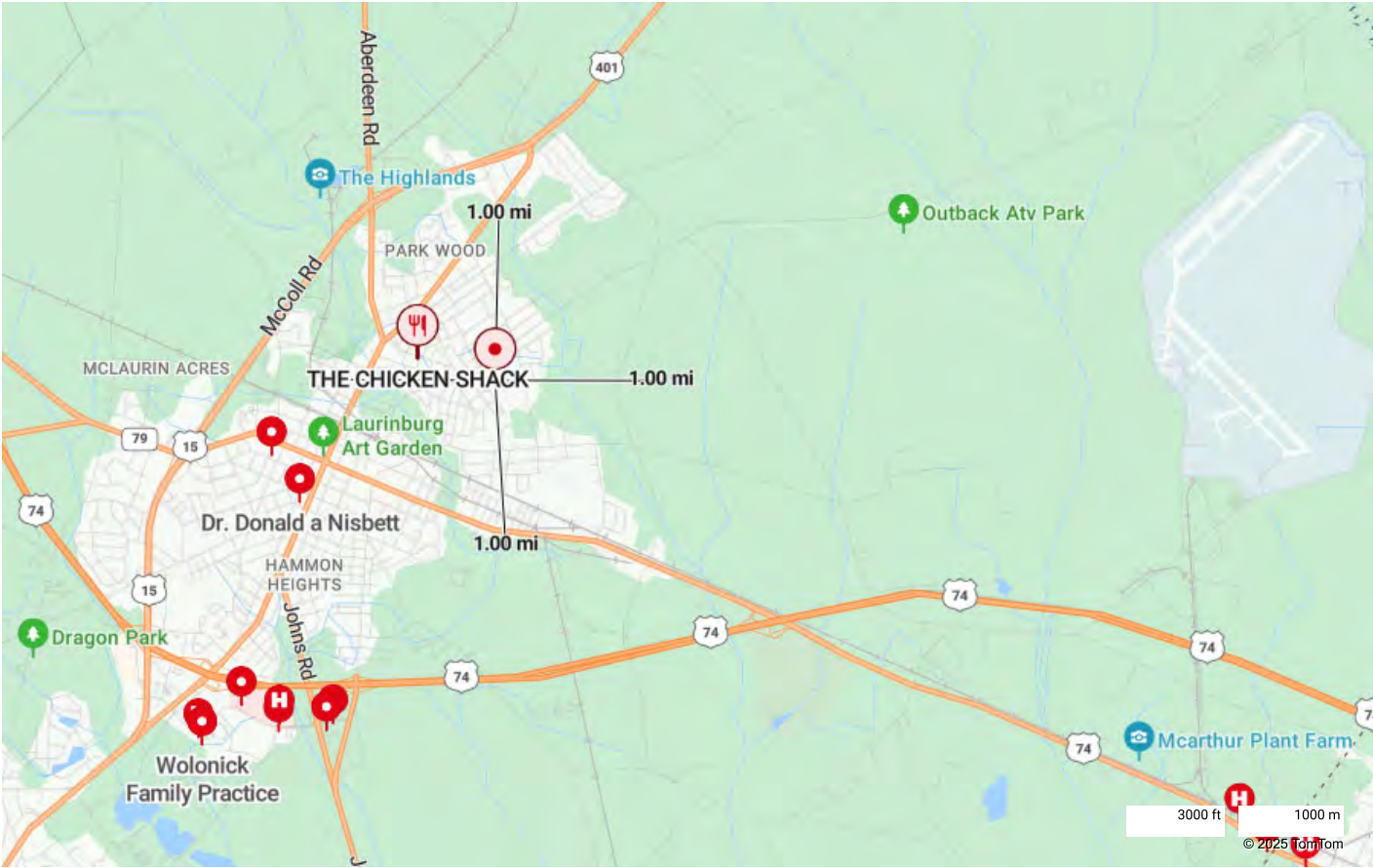
HOSPITALS



hospital

- 1 Scotland Memorial Hospital**
Address: 500 Lauchwood Dr, Laurinburg, NC 28352
Phone: (910) 291-7000
Website: <https://www.scotlandhealth.org/locations/detail/scotland-memorial-hospital>
- 3 Scotland Pulmonology and Sleep Medicine**
Address: 601 Lauchwood Dr, Laurinburg, NC 28352
Phone: (910) 504-8535
Website: <https://www.scotlandhealth.org/>
- 5 Scotland Veterinary Hospital**
Address: 17860 U S 74, Laurinburg, NC 28352
Phone: (910) 240-0144
Website: <https://www.greatpetcare.com/>
- 7 Highland Primary Care, PLLC**
Address: 513 Lauchwood Dr, Laurinburg, NC 28352
Phone: (910) 506-4510
Website: <https://www.highlandprimary.com/>
- 9 Southeastern Medical Clinic Maxton**
Address: 22401 Andrew Jackson Hwy, Maxton, NC 28364
Phone: (910) 844-2004
Website: <https://www.unchealthsoutheastern.org/>
- 11 Scotland Memorial Hospital Business Center**
Address: 503 Lauchwood Dr, Laurinburg, NC 28352
Phone: (910) 276-6068
Website: <https://www.laurinburgvet.com/>
- 13 Academy Animal Hospital of Laurinburg**
Address: 11241 Andrew Jackson Hwy, Laurinburg, NC 28352
Phone: (910) 276-6068
Website: <https://www.laurinburgvet.com/>
- 2 Scotland Health Care System**
Address: 500 Lauchwood Dr, Laurinburg, NC 28352
Phone: (910) 291-7000
Website: <http://www.scotlandhealth.org/>
- 4 Scotland Medical Center**
Address: 422 S King St, Laurinburg, NC 28352
Phone: (910) 276-2100
Website: <https://www.scotlandhealth.org/>
- 6 Scotland Endoscopy Center**
Address: 205 Lauchwood Dr, Laurinburg, NC 28352
Phone: (910) 277-4410
Website: <https://www.scotlandhealth.org/medical-services/endoscopy-center-and-colonoscopy>
- 8 Scotland Country Community Health Center**
Address: 705 Lauchwood Dr, Laurinburg, NC 28352
Phone: (910) 506-4682
- 10 Carolina's Medical&Wellness CLINIC**
Address: 821A S MAIN St, LAURINBURG, NC 28352
Phone: (910) 506-8474
- 12 X-Way Road Animal Hospital**
Address: 13041 X Way Rd, Laurinburg, NC 28352
Phone: (910) 276-5300
Website: <https://xwayrdvet.weebly.com/contact.html>

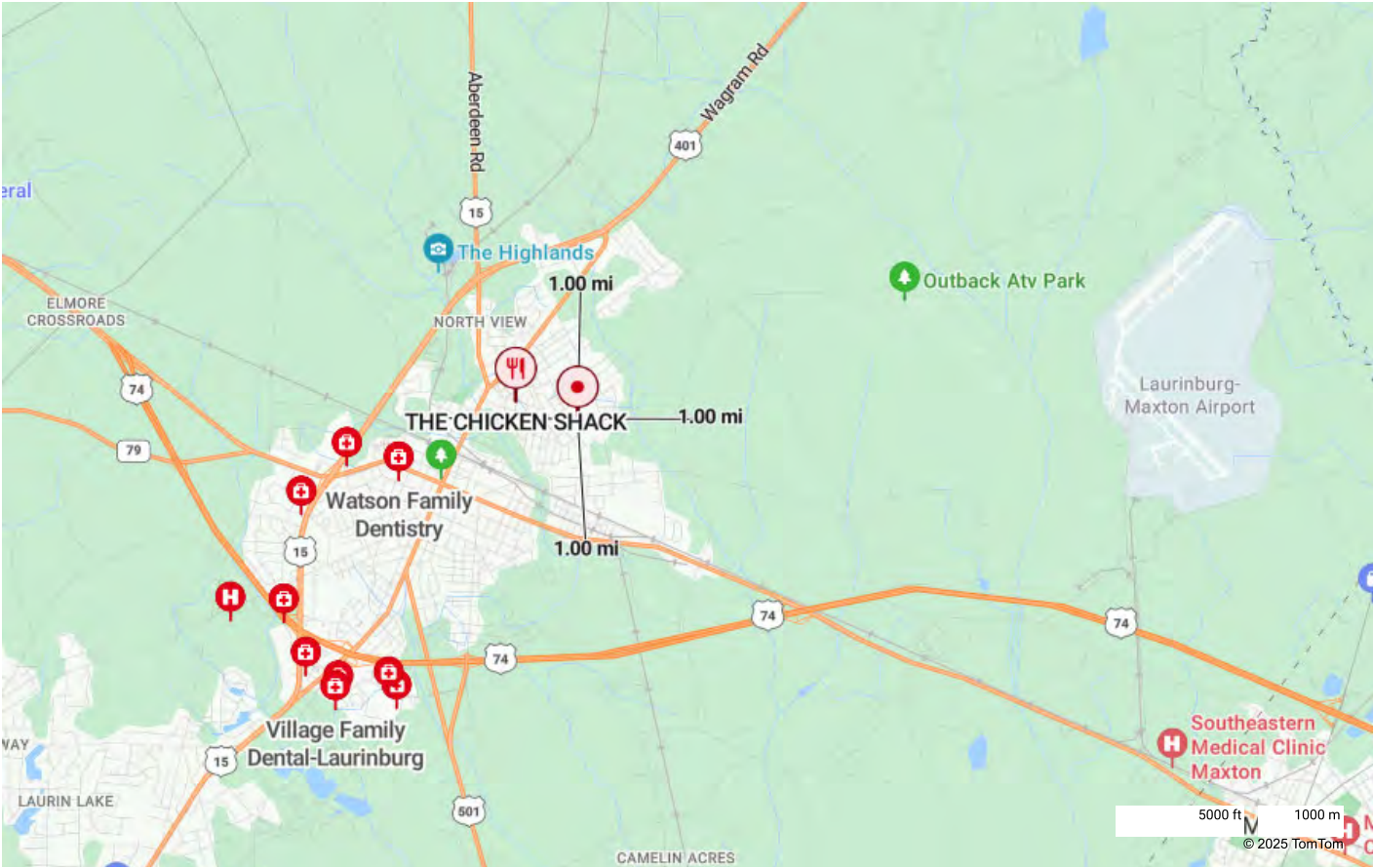
MEDICAL CENTERS



medical clinic

- 1 Southeastern Medical Clinic Maxton**
Address: 22401 Andrew Jackson Hwy, Maxton, NC 28364
Phone: (910) 844-2004
Website: <https://www.unchealthsoutheastern.org/>
- 3 Scotland Health Care System**
Address: 500 Lauchwood Dr, Laurinburg, NC 28352
Phone: (910) 291-7000
Website: <http://www.scotlandhealth.org/>
- 5 Harris Family Practice: Cox Mike PA**
Address: 700A Progress Pl, Laurinburg, NC 28352
Phone: (910) 276-6767
Website: <http://scotlandhealth.org/>
- 7 Wolonick Family Practice**
Address: 106 McAlpine Lane, Laurinburg, NC 28352-4637
Phone: (910) 277-8044
- 9 Wright Donna**
Address: 105 McAlpine Lane, Laurinburg, Nc 28352
Phone: (910) 277-3331
Website: <http://scotlandhealth.org/>
- 11 Dr. Donald a Nisbett**
Address: 616 Atkinson St, Laurinburg, NC 28352
Phone: (910) 277-0971
- 13 Shoeheel Medical Arts**
Address: 102 Pine St, Maxton, NC 28364
Phone: (910) 844-5681
- 2 Scotland Medical Center**
Address: 422 S King St, Laurinburg, NC 28352
Phone: (910) 276-2100
Website: <https://www.scotlandhealth.org/>
- 4 John A. Smid, MD**
Address: 1604 Medical Dr, Laurinburg, NC 28352
Phone: (910) 276-4611
Website: <https://www.orthocarolina.com/physicians/john-a-smid-md>
- 6 Maxton Medical Center**
Address: 610 E Dr Martin Luther King Jr Dr, Maxton, NC 28364
Phone: (910) 844-5253
Website: <https://www.rhcchealth.org/maxtonmedical>
- 8 Maxton Family Practice Center**
Address: 1001 W Dr Martin Luther King Jr Dr, Maxton, Nc 28364
Phone: (910) 844-4077
Website: <http://www.scotlandhealth.org/>
- 10 Laurinburg Internal Medicine**
Address: 601 Lauchwood Dr, Laurinburg, NC 28352-5510
Phone: (910) 276-7727
- 12 Tunau Habiba PLLC**
Address: 705 Lauchwood Dr, Laurinburg, NC 28352
Phone: (910) 266-0062

DENTISTS



dental clinic

- 1 Fogleman, Hal**
Address: 513 LAUCHWOOD Dr, LAURINBURG, NC 28352
Phone: (910) 276-3232
- 3 Watson Family Dentistry**
Address: 426 S King St, Laurinburg, NC 28352
Phone: (910) 501-2335
Website: <http://moseswatsondds.com/>
- 5 Daniel N Williams Pa**
Address: 501 Westwood Way Ste B, Laurinburg, NC 28352
Phone: (910) 276-3166
Website: <https://www.theprodentist.com/>
- 7 Dr. Plummer Ray Chavis**
Address: 1710 US Highway 401 S, Laurinburg, NC 28352
Phone: (910) 276-6640
- 9 Palmetto Dental Health Associates**
Address: 103 E Tatum Ave, McColl, SC 29570
Phone: (843) 523-5291
Website: <https://palmettodentalhealth.com/>
- 11 Scotland Community Health Clinic**
Address: 1405 West Blvd, Laurinburg, NC 28352
Phone: (910) 276-9912
Website: <https://schclinic.org/>
- 2 Dr. Wendy K Britt**
Address: 310 Wilkinson Dr, Laurinburg, NC 28352
Phone: (910) 276-4550
Website: <https://wkbidental.com/>
- 4 Village Family Dental-Laurinburg**
Address: 109 McAlpine Ln, Laurinburg, NC 28352
Phone: (910) 276-6640
Website: <https://www.vfdental.com/contact-us/laurinburg/>
- 6 Aspen Dental**
Address: 1300 Scotland Crossing Dr, Laurinburg, NC 28352
Phone: (910) 542-8183
Website: <https://www.aspendental.com/dentist/nc/laurinburg/1300-scotland-crossing-dr>
- 8 Dr. David Lauren Fitzgerald, OD**
Address: 215 Lauchwood Dr Ste A, Laurinburg, NC 28352
Phone: (910) 276-1993
- 10 THOMAS RINKACS**
Address: 1707 BERWICK Dr Ste A, LAURINBURG, NC 28352
Phone: (910) 276-2439
- 12 Southern Pines Dental Center**
Address: 105 Perry Dr Dental Clinic, Southern Pines, NC 28387
Phone: (910) 692-5111
Website: <https://www.firsthealth.org/>

Results ⓘ

Scotland County Social Services

3.7 ★★★★★ (120)

Social services organization · 📍

1405 West Blvd

Open · Closes 5 PM ·

(910) 277-2500



Website



Directions

🗣️ "Very helpful place and the people that work there are very nice."

United Way of Scotland County

4.5 ★★★★★ (2)

Social services organization · 📍

205 Lauchwood Dr

(910) 276-6064



Website



Directions

🗣️ "Supporting local non- profits."

Hoke County Social Services

3.4 ★★★★★ (144)

Social services organization · 📍

314 S Magnolia St

Open · Closes 5 PM ·

(910) 875-8725



Website



Directions

🗣️ "Very helpful in our time of need"

Richmond County Social Services

3.8 ★★★★★ (181)

Social services organization · 📍

125 Caroline St

Open · Closes 6 PM ·

(910) 997-8480



Website



Directions

🗣️ "Very friendly and helpful staff, quick service."

Robeson County Department of Social Services

1.5 ★★★★★ (78)

Social services organization · 📍

120 Glen Cowan Rd

Open · Closes 5 PM ·

(910) 671-3500



Website

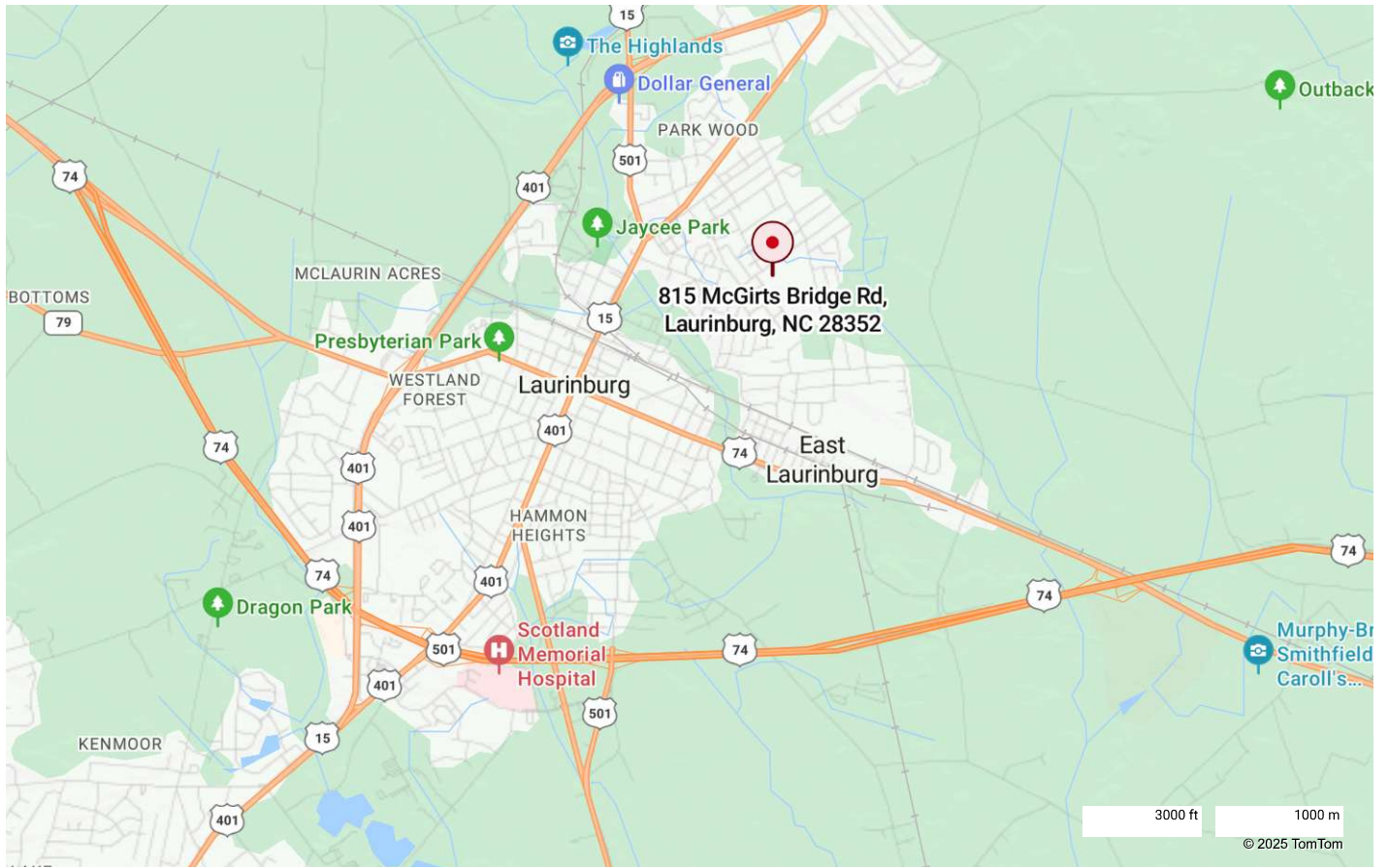


Directions

🗣️ "Tommy and Sandra were great"



Social Services



social services

- 1 Scots for Youth Volunteer Prog**
Address: 140 S Main St, Laurinburg, Nc 28352
Phone: (910) 276-5477
Website: <https://scotsforyouthservices.weebly.com/>
- 3 Autism Society-North Carolina**
Address: 100 S Main St, Laurinburg, Nc 28352
Phone: (910) 277-2887
Website: <https://www.autismsociety-nc.org/>
- 5 Scotland County Adult Day Services**
Address: 425 E Church St, Laurinburg, NC 28352
Phone: (910) 276-4554
Website: <https://myadultdaycare.com/details/Scotland-County-Adult-Day-Services>
- 7 United Way of Scotland County**
Address: 205 Lauchwood Dr Ste B, Laurinburg, NC 28352
Phone: (910) 276-6064
Website: <https://www.uwscotco.org/>
- 9 County Purchasing**
Address: 507 W Covington St, Laurinburg, Nc 28352
Phone: (910) 277-2409
- 11 County Addressing**
Address: 507 W Covington St, Laurinburg, Nc 28352
Phone: (910) 277-2419
- 13 Affordable Housing**
Address: 1300 Woodlawn Dr, Laurinburg, NC 28352
Phone: (866) 466-7328
Website: <https://www.affordablehousing.com/housing-authority-nc/the-housing-authority-of-laurinburg-2548/>
- 15 Ladies With a Vision**
Address: 17341 Old Lumberton Rd, Laurinburg, NC 28352
Phone: (910) 318-2140
Website: <https://ladies-with-a-vision.ueniweb.com/>
- 2 Old East Laurinburg School-Food Bank**
Address: 12 3rd St, Laurinburg, NC
Phone: (910) 277-3355
Website: <https://pim-nc.org/>
- 4 Scotland Youth Center**
Address: 406 Biggs St, Laurinburg, NC 28352
Phone: (910) 277-2727
Website: https://scotlandcountytaxes.com/template_home.mobile.html
- 6 Scotland County Veterans Service**
Address: 311 Yadkin Ave, Laurinburg, Nc 28352
Phone: (910) 277-2597
- 8 Restoring Hope Center-Food Distribution Center**
Address: 1106 N Main St, Laurinburg, NC 28352
Phone: (910) 276-4460
Website: <http://www.restoringhopecenterinc.org/>
- 10 North Carolina Public Records Directory**
Address: 212 Biggs St, Laurinburg, NC 28352
Phone: (910) 277-2575
Website: <http://onlinesearches.com/>
- 12 Scotland County DWI Coordinator**
Address: 100 Mckay St, Laurinburg, NC 28352
Phone: (910) 277-3215
- 14 Guardian Ad Litem**
Address: 212 Biggs St, Laurinburg, NC 28352
Phone: (910) 266-4531
Website: <https://guardianadlitem.org/>

ATTACHMENT 22:

Solid Waste Disposal/ Recycling

Solid Waste Removal Certification Form and
Correspondence

SOLID WASTE REMOVAL CERTIFICATION

Project Name: I Ellis Johnson Multi-Family Affordable Housing
Proposed No. of Units: Total: 55 Units; Phase I: 10 Units; Phase II: 45 Units
Address: Corona Avenue, Laurinburg, NC 28352. Identified by Scotland
County's GIS system as PIN ID: 01008001002 and PIN ID:
0100800100201.
Closest Intersection or
Landmark: McGirts Bridge Rd and Corona Ave

Solid waste removal for the proposed project site can be adequately handled by:

- ☒ Municipal/Public waste collector City of Laurinburg Sanitation Department
OR
☐ Private waste collector _____

AND

- ☒ will NOT adversely affect landfill capacity
OR
☐ solid waste removal/disposal is limited ☐ due to unavailability of collectors or insufficient landfill capacity. Explain: _____

Additional Comments/Concerns/Conditions: All Multi-Unit housing inside the city limits of Laurinburg are required to get dumpster service for solid waste needs thru the City of Laurinburg Sanitation Department. We have 4, 6 and 8 yard dumpsters for purchase or rental. Service fees vary depending on the number of pick-ups requested per week.

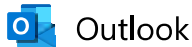
*All Construction Debris must be removed by Contractor.

10/14/2024 A. Foster
Date (Officials Signature)

Angie Foster
(Officials Name – Print or Type)

Solid Waste Manager
(Official's Title)

Sanitation - Public Works
(Department Name)




RE: Environmental Assessment - Solid Waste Removal Certification Request

From Angie Foster <afoster@laurinburg.org>

Date Mon 10/14/2024 11:16 AM

To Miranda Horne <mirandahorne@llandj.com>; Stacy McQuage <smcquage@laurinburg.org>

Cc Jonathan Locklear <jonathanlocklear@llandj.com>

 1 attachment (1 MB)

Scan_20241014.pdf;

See attached. This form is for normal household garbage only after the housing units are occupied. Any construction material generated during the construction phase must be removed by the contractor.

If you have any questions, feel free to call me anytime.

Angie Foster
"In God I Trust"
City of Laurinburg
503 Hall Street
Laurinburg, NC 28352
(910) 276-2364

From: Miranda Horne <mirandahorne@llandj.com>

Sent: Monday, October 14, 2024 9:57 AM

To: Stacey McQuage <smcquage@laurinburg.org>; Angie Foster <afoster@laurinburg.org>

Cc: Jonathan Locklear <jonathanlocklear@llandj.com>

Subject: Environmental Assessment - Solid Waste Removal Certification Request

Be Advised: This email originated from outside of the City of Laurinburg, NC's email system. Maintain caution when opening external links/attachments

Mr. McQuage,

It was good speaking with you this morning.

As discussed, I am reaching out to you in reference to an environmental assessment that the firm I work for is conducting on behalf of a client on a property (subject property) consisting of two separate parcels that will be recombined as shown in the attached Preliminary Site Plan document. The subject property is identified by Scotland County's GIS as **PIN ID: 01008001002 and PIN ID: 0100800100201**. The subject property is the site of a future affordable housing development that involves the new construction of multiple one-, two-, and three-bedroom units of supportive housing targeting households at or below 80% AMI. This project will be broken up into two (2) separate phases with the following preliminary breakdown: **Phase I: 10 units (1- and 2- bedroom units); Phase II: 45 units (2- and 3- bedroom units)**. Units of **Phase I** will be targeted to homeless households. As part of this assessment, it is required that we reach out to various local agencies to request the completion of certification forms for

each agency. These forms are used to collect any known information that may help in determining any negative or positive environmental impacts in relation to the subject property and it's intended end use.

I have taken the liberty of providing you with the following attachments to aid in identifying the subject property location and intended use:

- Vicinity Location Map
- County GIS Data
- I Ellis Johnson Preliminary Site Plan Layout

We request that you complete the attached word document labeled "**Solid Waste Removal Certification**" to the best of your ability and send back your response at your earliest convenience. Some of the information within has already been pre-filled for your convenience.

Please Note: There is a section within this certification that asks about Landfill Capacity. I have received confirmation this morning from Scotland County's Landfill Manager (Bill Lash) and he stated that they would be able to handle the volume and that the project would NOT adversely affect the landfill capacity.

If you have any questions about any of the above information or would prefer to discuss further via phone call, please don't hesitate to contact me at the number below.

Thank you,

Miranda Horne
Project Manager
Locklear, Locklear & Jacobs, PLLC



PO Box 3119

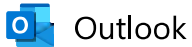
*114 W. 3rd Street
Pembroke, North Carolina 28372
O: (910) 774- 9306 ext. 6*

mirandahorne@llandj.com
www.llandj.com

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Re: Solid waste removal

From Bill Lash <blash@scotlandcounty.org>
Date Mon 10/14/2024 10:07 AM
To Miranda Horne <mirandahorne@llandj.com>

 1 attachment (25 KB)
image002.png;

Hi Miranda, thank you for the update. Yrs, i am fine with you submitting my comments.
Thank you and good luck with the project!

On Mon, Oct 14, 2024, 9:46 AM Miranda Horne <mirandahorne@llandj.com> wrote:

Mr. Lash,

Thank you reaching out to me for clarification! My apologies for the confusion, we received your contact information by Mike McGirt with Scotland County as the POC for this certification. I just reached out to Mr. McQuage with the City of Laurinburg (public works director), and he provided me the contact information for the appropriate certifying department that will be collecting the waste.

I appreciate your time in reviewing this request, however you don't have to fill anything out for this. They will be handling the solid waste removal certification for us, and if it is okay with you, I can add your comments regarding the ability to handle the volume at the landfill under the additional comments section and attach your email along with it.

Again, thank you for your time in this matter and please let me know if you are okay with me adding your comments as mentioned above.

Respectfully Submitted,

Miranda Horne

Project Manager

Locklear, Locklear & Jacobs, PLLC



A round red and white logo Description automatically generated

*PO Box 3119**114 W. 3rd Street**Pembroke, North Carolina 28372**O: (910) 774- 9306 ext. 6*mirandahorne@llandj.comwww.llandj.com

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Please consider the environment before printing this email.

From: Bill Lash <blash@scotlandcounty.org>

Sent: Monday, October 14, 2024 8:37 AM

To: Miranda Horne <mirandahorne@llandj.com>

Subject: Solid waste removal

Good morning Miranda, sorry it took so long to get back to you on this. We have been shorthanded for the past few months. I am completing the solid Waste Removal Certificate . I would like to clarify the question below. as it appears to ask who will be responsible for removal from the site. We do not provide that service . There are many waste companies in the area that could do the hauling. I can not certify that on this certificate. This would need to be done by them, as I can not vouch for their service.Should I just leave that blank? Let me know and Ill get this back to you today. Yes, we can handle the volume.

Solid waste removal for the proposed project site can be adequately handled by:

☐ Municipal/Public waste collector _____

OR

☐ Private waste collector _____

--

William J. Lash

Landfill Manager

Scotland County Solid Waste

910.352.3557

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ATTACHMENT 23:

Waste Water/ Sanitary Sewers

Public Sewer Certification Form and Correspondence

PUBLIC SEWER CERTIFICATION

Project Name: I Ellis Johnson Multi-Family Affordable Housing
Proposed No. of Units: Total: 55 Units; Phase I: 10 Units; Phase II: 45 Units
Address: Corona Avenue, Laurinburg, NC 28352. Identified by Scotland
County's GIS system as PIN ID: 01008001002 and PIN ID:
0100800100201.
Closest Intersection or
Landmark: McGirts Bridge Rd and Corona Ave

Public sewer infrastructure for the proposed project site is:

☐ available and adequate for the proposed use incorporating a ☒ Gravity Flow System or
☒ Lift Station ☐ with a new lift station required or ☐ no new lift station required.

OR

☐ NOT available and adequate for the proposed use. Explain: _____

The closest sewer main connection to the proposed project site is a
____ 8" ____ (size) main/ line located approximately ____ Center of Corona
Ave. ____ (distance) from the proposed project site. This main/ line is approximately
____ 7' ____ feet deep. Location of closest main/line: ____ Corona
Ave. _____

Additional Comments/Concerns/Conditions: ____ Street is at a higher elevation than the project
site. _____

9-26-2024

Date

Stacey McQuage
(Officials Signature)

Stacey McQuage
(Officials Name – Print or Type)

Public Works Director
(Official's Title)

Public Works
(Department Name)



RE: Environmental Assessment - Public Sewer and Public Water Certification Request

From Miranda Horne <mirandahorne@llandj.com>

Date Thu 9/26/2024 8:01 AM

To Stacey McQuage <smcquage@laurinburg.org>

Cc Mitchell Adkins <madkins@laurinburg.org>; Jonathan Locklear <jonathanlocklear@llandj.com>

 1 attachment (777 KB)

cbscans@laurinburg.org_20240926_064544.pdf;

Mr. McQuage,

Thank you for the quick response and information on this!

Miranda Horne
Project Manager
Locklear, Locklear & Jacobs, PLLC



PO Box 3119

114 W. 3rd Street
Pembroke, North Carolina 28372
O: (910) 774- 9306 ext. 6

mirandahorne@llandj.com
www.llandj.com

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Please consider the environment before printing this email.

From: Stacey McQuage <smcquage@laurinburg.org>

Sent: Thursday, September 26, 2024 6:53 AM

To: Miranda Horne <mirandahorne@llandj.com>

Cc: Mitchell Adkins <madkins@laurinburg.org>

Subject: RE: Environmental Assessment - Public Sewer and Public Water Certification Request

Miranda,

I attached the forms showing the line sizes. The sewer will need to have a survey done to check grades to the proposed buildings. The sewer is about 7 feet deep, but the land is below street level.

Stacey McQuage
Public Works Director
City of Laurinburg
503 Hall Street
Laurinburg, NC 28352
(910) 276-2364
smcquage@laurinburg.org



From: Miranda Horne <mirandahorne@llandj.com>
Sent: Wednesday, September 25, 2024 2:59 PM
To: Stacey McQuage <smcquage@laurinburg.org>
Cc: Jonathan Locklear <jonathanlocklear@llandj.com>
Subject: Environmental Assessment - Public Sewer and Public Water Certification Request

Be Advised: This email originated from outside of the City of Laurinburg, NC's email system. Maintain caution when opening external links/attachments

Mr. McQuage,

I'm reaching out to you this afternoon in reference to an environmental assessment that we are conducting on behalf of a client on a property (subject property) consisting of two separate parcels that will be recombined as shown in the attached Preliminary Site Plan document. The subject property is identified by Scotland County's GIS as **PIN ID: 01008001002 and PIN ID: 0100800100201**. The subject property is the site of a future affordable housing development that involves the new construction of multiple one-, two-, and three-bedroom units of supportive housing targeting households at or below 80% AMI. This project will be broken up into two (2) separate phases with the following preliminary breakdown: **Phase I: 10 units (1- and 2- bedroom units); Phase II: 45 units (2- and 3- bedroom units)**. Units of **Phase I** will be targeted to homeless households. As part of this assessment, it is required that we reach out to various local agencies to request the completion of certification forms for each agency. These forms are used to collect any known information that may help in determining any negative or positive environmental impacts in relation to the subject property and it's intended end use.

I have taken the liberty of providing you with the following attachments to aid in identifying the subject property location and intended use:

- Vicinity Location Map
- County GIS Data
- I Ellis Johnson Preliminary Site Plan Layout

We request that you complete the (2) attached word documents labeled "**Public Sewer Certification**" and "**Public Water Certification**" to the best of your ability and send back your response at your earliest convenience. Some of the information within has already been pre-filled for your convenience.

If you have any questions about any of the above information or would prefer to discuss further via phone call, please don't hesitate to contact me at the number below.

Thank you,

Thank you,

Miranda Horne
Project Manager
Locklear, Locklear & Jacobs, PLLC



PO Box 3119

114 W. 3rd Street
Pembroke, North Carolina 28372
O: (910) 774- 9306 ext. 6

mirandahorne@llandj.com
www.llandj.com

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ATTACHMENT 24:

Water Supply

Public Water Certification Form and
Correspondence

PUBLIC WATER CERTIFICATION

Project Name: I Ellis Johnson Multi-Family Affordable Housing
Proposed No. of Units: Total: 55 Units; Phase I: 10 Units; Phase II: 45 Units
Address: Corona Avenue, Laurinburg, NC 28352. Identified by Scotland
County's GIS system as PIN ID: 01008001002 and PIN ID:
0100800100201.
Closest Intersection or
Landmark: McGirts Bridge Rd and Corona Ave

A public water supply for the proposed project site is:

☒ available and adequate for the proposed use.

OR

☐ NOT available and adequate for the proposed use. Explain: _____

The closest water main connection to the proposed project site is an 8" and a 10"
line _____ (size) main/ line located approximately ____ at curb line in
street _____ (distance) from the proposed project site. Location of closest
main/line: _____ on Corona Ave. _____

Additional Comments/Concerns/Conditions: _____

9-26-24

Date

Stacey McQuage

(Officials Signature)

Stacey McQuage

(Officials Name – Print or Type)

Public Works Director

(Official's Title)

Public Works

(Department Name)



RE: Environmental Assessment - Public Sewer and Public Water Certification Request

From Miranda Horne <mirandahorne@llandj.com>

Date Thu 9/26/2024 8:01 AM

To Stacey McQuage <smcquage@laurinburg.org>

Cc Mitchell Adkins <madkins@laurinburg.org>; Jonathan Locklear <jonathanlocklear@llandj.com>

 1 attachment (777 KB)

cbscans@laurinburg.org_20240926_064544.pdf;

Mr. McQuage,

Thank you for the quick response and information on this!

Miranda Horne
Project Manager
Locklear, Locklear & Jacobs, PLLC



PO Box 3119

*114 W. 3rd Street
Pembroke, North Carolina 28372
O: (910) 774- 9306 ext. 6*

mirandahorne@llandj.com
www.llandj.com

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Please consider the environment before printing this email.

From: Stacey McQuage <smcquage@laurinburg.org>

Sent: Thursday, September 26, 2024 6:53 AM

To: Miranda Horne <mirandahorne@llandj.com>

Cc: Mitchell Adkins <madkins@laurinburg.org>

Subject: RE: Environmental Assessment - Public Sewer and Public Water Certification Request

Miranda,

I attached the forms showing the line sizes. The sewer will need to have a survey done to check grades to the proposed buildings. The sewer is about 7 feet deep, but the land is below street level.

Stacey McQuage
Public Works Director
City of Laurinburg
503 Hall Street
Laurinburg, NC 28352
(910) 276-2364
smcquage@laurinburg.org



From: Miranda Horne <mirandahorne@llandj.com>
Sent: Wednesday, September 25, 2024 2:59 PM
To: Stacey McQuage <smcquage@laurinburg.org>
Cc: Jonathan Locklear <jonathanlocklear@llandj.com>
Subject: Environmental Assessment - Public Sewer and Public Water Certification Request

Be Advised: This email originated from outside of the City of Laurinburg, NC's email system. Maintain caution when opening external links/attachments

Mr. McQuage,

I'm reaching out to you this afternoon in reference to an environmental assessment that we are conducting on behalf of a client on a property (subject property) consisting of two separate parcels that will be recombined as shown in the attached Preliminary Site Plan document. The subject property is identified by Scotland County's GIS as **PIN ID: 01008001002 and PIN ID: 0100800100201**. The subject property is the site of a future affordable housing development that involves the new construction of multiple one-, two-, and three-bedroom units of supportive housing targeting households at or below 80% AMI. This project will be broken up into two (2) separate phases with the following preliminary breakdown: **Phase I: 10 units (1- and 2- bedroom units); Phase II: 45 units (2- and 3- bedroom units)**. Units of **Phase I** will be targeted to homeless households. As part of this assessment, it is required that we reach out to various local agencies to request the completion of certification forms for each agency. These forms are used to collect any known information that may help in determining any negative or positive environmental impacts in relation to the subject property and it's intended end use.

I have taken the liberty of providing you with the following attachments to aid in identifying the subject property location and intended use:

- Vicinity Location Map
- County GIS Data
- I Ellis Johnson Preliminary Site Plan Layout

We request that you complete the (2) attached word documents labeled "**Public Sewer Certification**" and "**Public Water Certification**" to the best of your ability and send back your response at your earliest convenience. Some of the information within has already been pre-filled for your convenience.

If you have any questions about any of the above information or would prefer to discuss further via phone call, please don't hesitate to contact me at the number below.

Thank you,

Thank you,

Miranda Horne
Project Manager
Locklear, Locklear & Jacobs, PLLC



PO Box 3119

114 W. 3rd Street
Pembroke, North Carolina 28372
O: (910) 774- 9306 ext. 6

mirandahorne@llandj.com
www.llandj.com

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ATTACHMENT 25:

Public Safety – Police, Fire and Emergency Medical

Fire Protection Certification Form, Correspondence, and
Police and EMS Maps Search Results

FIRE PROTECTION CERTIFICATION

Project Name: I Ellis Johnson Multi-Family Affordable Housing
Proposed No. of Units: Total: 55 Units; Phase I: 10 Units; Phase II: 45 Units
Address: Corona Avenue, Laurinburg, NC 28352. Identified by Scotland
County's GIS system as PIN ID: 01008001002 and PIN ID:
0100800100201.
Closest Intersection or
Landmark: McGirts Bridge Rd and Corona Ave

Adequate and appropriate Fire Protection Services for the proposed project are:

☒ available for the proposed project and ☐ will NOT be adversely affected by the proposed project. The estimated average response time of 4 minutes falls within the average community response time of 5 minutes.

OR

☐ NOT available for the proposed project and/or ☐ will be adversely affected by the proposed project. Explain: _____

Fire Protection Services providers that might serve the proposed project area include:

City of Laurinburg Fire Department
North Scotland Vol. Fire Department (Wagram)

Additional Comments/Concerns/Conditions: _____

12-5-24

Date


(Officials Signature)

Donald Locklear Jr
(Officials Name – Print or Type)

Fire Marshal
(Official's Title)

City of Laurinburg Fire Department
(Department Name)



Re: Environmental Assessment - Fire Protection Certification Request

From Donald Locklear <dlocklear@laurinburg.org>
Date Thu 12/5/2024 1:46 PM
To Miranda Horne <mirandahorne@llandj.com>
Cc Jonathan Locklear <jonathanlocklear@llandj.com>

Your Welcome. If there is anything else we can do to assist just let me know.

D. Locklear Fire Inspector / Fire Investigator**City of Laurinburg****Fire Department****17501 Aberdeen Rd.****Laurinburg, NC 28352****Phone: (910)291-1766****www.Laurinburg.org****PREVENT-PROTECT-PRESERVE**

From: Miranda Horne <mirandahorne@llandj.com>
Sent: Thursday, December 5, 2024 1:45 PM
To: Donald Locklear <dlocklear@laurinburg.org>
Cc: Jonathan Locklear <jonathanlocklear@llandj.com>
Subject: Re: Environmental Assessment - Fire Protection Certification Request

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I really appreciate your time and assistance!

Thank you,

Miranda Horne**Project Manager****Locklear, Locklear & Jacobs, PLLC**A round red and white logo Description automatically generated *PO Box 3119**114 W. 3rd Street**Pembroke, North Carolina 28372**O: (910) 774- 9306 ext. 6***mirandahorne@llandj.com****www.llandj.com**

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Please consider the environment before printing this email.

From: Donald Locklear <dlocklear@laurinburg.org>
Sent: Thursday, December 5, 2024 1:44 PM
To: Miranda Horne <mirandahorne@llandj.com>
Cc: Jonathan Locklear <jonathanlocklear@llandj.com>
Subject: Re: Environmental Assessment - Fire Protection Certification Request

See attached

D. Locklear Fire Inspector / Fire Investigator
City of Laurinburg
Fire Department
17501 Aberdeen Rd.
Laurinburg, NC 28352
Phone: (910)291-1766
www.Laurinburg.org
PREVENT-PROTECT-PRESERVE

From: Miranda Horne <mirandahorne@llandj.com>
Sent: Thursday, December 5, 2024 1:38 PM
To: Donald Locklear <dlocklear@laurinburg.org>
Cc: Jonathan Locklear <jonathanlocklear@llandj.com>
Subject: Re: Environmental Assessment - Fire Protection Certification Request

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This is great. The only other thing we need assistance with is the completion of the attached Fire Protection Certification. It is for the same project and is just another environmental factor that we have to provide supporting documentation for.

If possible, it would be very helpful if you could fill this out and send back a signed copy for us to add to the assessment.

Thank you,

Miranda Horne
Project Manager
Locklear, Locklear & Jacobs, PLLC



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114 W. 3rd Street

Pembroke, North Carolina 28372

O: (910) 774- 9306 ext. 6

mirandahorne@llandj.com

www.llandj.com

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Please consider the environment before printing this email.

From: Donald Locklear <dlocklear@laurinburg.org>
Sent: Thursday, December 5, 2024 1:33 PM
To: Miranda Horne <mirandahorne@llandj.com>
Cc: Jonathan Locklear <jonathanlocklear@llandj.com>
Subject: Re: Environmental Assessment - Fire Protection Certification Request

so off of that info there no Tanks or plans for tanks at this time for that area.

Is there anything else I can assist with?

D. Locklear Fire Inspector / Fire Investigator

City of Laurinburg

Fire Department

17501 Aberdeen Rd.

Laurinburg, NC 28352

Phone: (910)291-1766

www.Laurinburg.org

PREVENT-PROTECT-PRESERVE

From: Miranda Horne <mirandahorne@llandj.com>
Sent: Wednesday, December 4, 2024 8:04 AM
To: Donald Locklear <dlocklear@laurinburg.org>
Cc: Jonathan Locklear <jonathanlocklear@llandj.com>
Subject: Re: Environmental Assessment - Fire Protection Certification Request

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Mr. Locklear,

Apologies for the delay in responding. Somehow this was saved in my drafts and never got sent out.

I've copied an excerpt from the assessment for your reference below. Let me know if this provides you with what you need.

3. Within 1 mile of the project site, are there any current *or planned* stationary aboveground storage containers that are covered by 24 CFR 51C? Containers that are NOT covered under the regulation include:

- Containers 100 gallons or less in capacity, containing common liquid industrial fuels OR
- Containers of liquified petroleum gas (LPG) or propane with a water volume capacity of 1,000 gallons or less that meet the requirements of the 2017 version of National Fire Protection Association (NFPA) Code 58.

Thank you,

Miranda Horne
Project Manager

Locklear, Locklear & Jacobs, PLLC

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114 W. 3rd Street

Pembroke, North Carolina 28372

O: (910) 774- 9306 ext. 6

mirandahorne@llandj.com

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Please consider the environment before printing this email.

From: Donald Locklear <dlocklear@laurinburg.org>

Sent: Tuesday, December 3, 2024 2:35 PM

To: Miranda Horne <mirandahorne@llandj.com>

Cc: Jonathan Locklear <jonathanlocklear@llandj.com>

Subject: Re: Environmental Assessment - Fire Protection Certification Request

With the above ground storage tanks are you referring to residential as well? over a certain gallon?

D. Locklear Fire Inspector / Fire Investigator
City of Laurinburg
Fire Department
17501 Aberdeen Rd.

Laurinburg, NC 28352

Phone: (910)291-1766

www.Laurinburg.org

PREVENT-PROTECT-PRESERVE

From: Miranda Horne <mirandahorne@llandj.com>

Sent: Monday, December 2, 2024 4:42 PM

To: Donald Locklear <dlocklear@laurinburg.org>

Cc: Jonathan Locklear <jonathanlocklear@llandj.com>

Subject: Re: Environmental Assessment - Fire Protection Certification Request


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Thanks again for your help!

Miranda Horne

Project Manager

Locklear, Locklear & Jacobs, PLLC

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114 W. 3rd Street

Pembroke, North Carolina 28372

O: (910) 774- 9306 ext. 6

mirandahorne@llandj.com

www.llandj.com

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Please consider the environment before printing this email.

From: Donald Locklear <dlocklear@laurinburg.org>

Sent: Monday, December 2, 2024 4:23 PM

To: Miranda Horne <mirandahorne@llandj.com>

Cc: Jonathan Locklear <jonathanlocklear@llandj.com>

Subject: Re: Environmental Assessment - Fire Protection Certification Request

I will work on this and get it back to you!

D. Locklear Fire Inspector / Fire Investigator

City of Laurinburg

Fire Department

17501 Aberdeen Rd.
Laurinburg, NC 28352
Phone: (910)291-1766
www.Laurinburg.org
PREVENT-PROTECT-PRESERVE

From: Miranda Horne <mirandahorne@llandj.com>
Sent: Monday, December 2, 2024 11:31 AM
To: Donald Locklear <dlocklear@laurinburg.org>
Cc: Jonathan Locklear <jonathanlocklear@llandj.com>
Subject: Re: Environmental Assessment - Fire Protection Certification Request

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Mr. Locklear,

Per the previous email chain that you were copied in on by Mr. McQueen, I am forwarding the other certification request for the IE Johnson Environmental Assessment. It appears I had already sent this to you back in September also (see below).

At your earliest convenience, please review the email below as well as review, complete, and sign the attached Fire Protection Certification form if possible. This is the same location that is referenced in the attachments of the other email chain with Mr. McQueen.

Thank you,

Miranda Horne
Project Manager

Locklear, Locklear & Jacobs, PLLC

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114 W. 3rd Street

Pembroke, North Carolina 28372

O: (910) 774- 9306 ext. 6

mirandahorne@llandj.com

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Please consider the environment before printing this email.


From: Miranda Horne
Sent: Wednesday, September 25, 2024 3:07 PM
To: dlocklear@laurinburg.org <dlocklear@laurinburg.org>
Cc: Jonathan Locklear <jonathanlocklear@llandj.com>
Subject: RE: Environmental Assessment - Fire Protection Certification Request

Mr. Locklear,

My apologies, please disregard the Certification Document attached to my previous email. I have attached the appropriate document and have corrected the names highlighted in my email below.

Thank you,

Miranda Horne
Project Manager
Locklear, Locklear & Jacobs, PLLC

 A round red and white logo Description automatically generated
PO Box 3119
114 W. 3rd Street
Pembroke, North Carolina 28372
O: (910) 774- 9306 ext. 6

mirandahorne@llandj.com
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Please consider the environment before printing this email.

From: Miranda Horne
Sent: Wednesday, September 25, 2024 3:04 PM
To: 'dlocklear@laurinburg.org' <dlocklear@laurinburg.org>
Cc: Jonathan Locklear <jonathanlocklear@llandj.com>
Subject: Environmental Assessment - Emergency Medical Services Certification Request

Mr. Locklear,

I'm reaching out to you this afternoon in reference to an environmental assessment that the firm I work for is conducting on behalf of a client on a property (subject property) consisting of two separate parcels that will be recombined as shown in the attached Preliminary Site Plan document. The subject property is identified by Scotland County's GIS as **PIN ID: 01008001002 and PIN ID: 0100800100201**. The subject property is the site of a future affordable housing development that involves the new construction of multiple one-, two-, and three-bedroom units of supportive housing targeting households at or below 80% AMI. This project will be broken up into two (2) separate phases with the following preliminary breakdown: **Phase I: 10 units (1- and 2- bedroom units); Phase II: 45 units (2- and 3- bedroom units)**. Units of **Phase I** will be targeted to homeless households. As part of this assessment, it is required that we reach out to various local agencies to request the completion of certification forms for each agency. These forms are used to collect any known information that may help in determining any negative or positive environmental impacts in relation to the subject property and it's intended end use.

I have taken the liberty of providing you with the following attachments to aid in identifying the subject property location and intended use:


- Vicinity Location Map
- County GIS Data
- I Ellis Johnson Preliminary Site Plan Layout

We request that you complete the attached word document labeled “[**MRH**] Fire **Protection Certification**” to the best of your ability and send back your response at your earliest convenience. Some of the information within has already been pre-filled for your convenience.

If you have any questions about any of the above information or would prefer to discuss further via phone call, please don't hesitate to contact me at the number below.

Thank you,

Miranda Horne
Project Manager
Locklear, Locklear & Jacobs, PLLC

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PO Box 3119
114 W. 3rd Street
Pembroke, North Carolina 28372
O: (910) 774- 9306 ext. 6

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police services



Hours

All filters

Results

Laurinburg Police Department

No reviews

Police department · 303 W Church St
(910) 276-3211



Directions

Sheriff's Office-Civil Office

No reviews

Sheriff's department · 212 Biggs St
(910) 277-3167



Directions

Scotland County Sheriff's Office

No reviews

Sheriff's department · 212 Biggs St
(910) 276-3385



Website



Directions

Scotland County 911

No reviews

County government office · 1403 West Blvd
Open 24 hours · (910) 277-3231



Website



Directions

Campus Security

No reviews

Public safety office · Open 24 hours · (910) 280-2895



Website



Directions





Re: Environmental Assessment - Law Enforcement Certification Request

From Miranda Horne <mirandahorne@llandj.com>
Date Mon 12/2/2024 10:21 AM
To rkersey@scotlandcounty.org <rkersey@scotlandcounty.org>
Cc Jonathan Locklear <jonathanlocklear@llandj.com>

 5 attachments (7 MB)

Vicinity Map.pdf; Parcel #1 (IE Johnson & SCAP Property) - GIS Report.pdf; Parcel #2 (SCAP Property) - GIS Report.pdf; SCAP IE Johnson School Location- PRELIM PROPERTY PLAN 8-30-23.pdf; Law Enforcement Certification.docx;

Good morning Mr. Kersey,

I wanted to follow up regarding my previous email below and see if you had a moment to review the information and respond with the completed word document as requested within the previous email.

Thank you for your time in this matter and please don't hesitate to let me know if you would like to discuss further,

Miranda Horne

Project Manager

Locklear, Locklear & Jacobs, PLLC

 A round red and white logo Description automatically generated *PO Box 3119*

114 W. 3rd Street

Pembroke, North Carolina 28372

O: (910) 774- 9306 ext. 6

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 Please consider the environment before printing this email.

From: Miranda Horne
Sent: Wednesday, September 25, 2024 3:00 PM
To: rkersey@scotlandcounty.org <rkersey@scotlandcounty.org>
Cc: Jonathan Locklear <jonathanlocklear@llandj.com>
Subject: Environmental Assessment - Law Enforcement Certification Request

Mr. Kersey,

I'm reaching out to you this afternoon in reference to an environmental assessment that the firm I work for is conducting on behalf of a client on a property (subject property) consisting of two separate parcels that will be recombined as shown in the attached Preliminary Site Plan document. The subject property is identified by Scotland County's GIS as **PIN ID: 01008001002 and PIN ID: 0100800100201**. The subject property is the site of a future affordable housing development that involves the new construction of multiple one-, two-, and three-bedroom units of supportive housing targeting households at or below 80% AMI. This project will be broken up into two (2) separate phases with the following preliminary breakdown: **Phase I: 10 units (1- and 2- bedroom units); Phase II: 45 units (2- and 3- bedroom units)**. Units of **Phase I** will be targeted to homeless households. As part of this assessment, it is required that we reach out to various local agencies to request the completion of certification forms for each agency. These forms are used to collect any known information that may help in determining any negative or positive environmental impacts in relation to the subject property and it's intended end use.

I have taken the liberty of providing you with the following attachments to aid in identifying the subject property location and intended use:


- Vicinity Location Map
- County GIS Data
- I Ellis Johnson Preliminary Site Plan Layout

We request that you complete the attached word document labeled "**Law Enforcement Certification**" to the best of your ability and send back your response at your earliest convenience. Some of the information within has already been pre-filled for your convenience.

If you have any questions about any of the above information or would prefer to discuss further via phone call, please don't hesitate to contact me at the number below.

Thank you,

Miranda Horne
Project Manager
Locklear, Locklear & Jacobs, PLLC

 A round red and white logo Description automatically generated

PO Box 3119
114 W. 3rd Street
Pembroke, North Carolina 28372
O: (910) 774- 9306 ext. 6

mirandahorne@llandj.com
www.llandj.com

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emergency services

★ Rating

🕒 Hours

⚙️ All filters

Results ⓘ

Emergency Medical Services

1.0 ★★★★★ (1)

Ambulance service · 🚗 · 1401 West Blvd



Directions

Emergency Operations Center

4.5 ★★★★★ (2)

Call center · 🚗 · 1403 West Blvd

Open 24 hours

🗣️ "Was there for a meeting"



Website



Directions

Scotland Memorial Hospital: Emergency Room

1.6 ★★★★★ (9)

Emergency room · 🚗 · 500

Lauchwood Dr

Open 24 hours · (910) 291-7000



Website



Directions

Scotland Ambulance Services

1.0 ★★★★★ (2)

Ambulance service · 🚗 · 1403

West Blvd

(910) 276-1313



Website



Directions

Braveheart Medical Transport, Inc.

5.0 ★★★★★ (3)

Ambulance service · 🚗 · 114 John

St

Open · Closes 5 PM ·

(910) 277-8003



Website



Directions

Scotland County 911

No reviews

County government office · 🚗 ·

1403 West Blvd

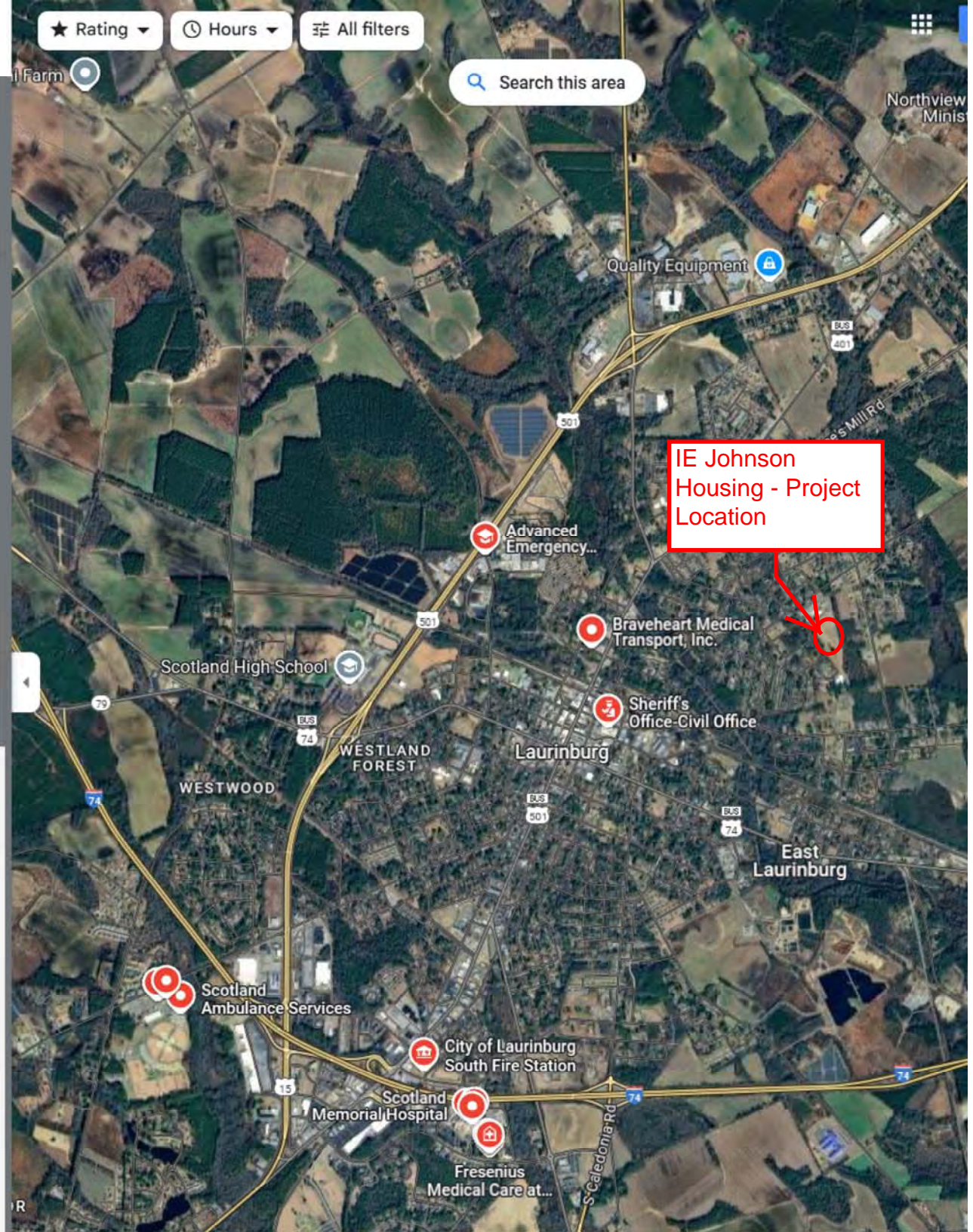
Open 24 hours · (910) 277-3231

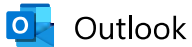


Website



Directions





Fw: Environmental Assessment - Emergency Medical Services Certification Request

From Miranda Horne <mirandahorne@llandj.com>

Date Tue 12/3/2024 10:24 AM

To rsampson@scotlandcounty.org <rsampson@scotlandcounty.org>

Cc Jonathan Locklear <jonathanlocklear@llandj.com>

 5 attachments (7 MB)

Vicinity Map.pdf; Parcel #1 (IE Johnson & SCAP Property) - GIS Report.pdf; Parcel #2 (SCAP Property) - GIS Report.pdf; SCAP IE Johnson School Location- PRELIM PROPERTY PLAN 8-30-23.pdf; Emergency Medical Services Certification.docx;

Good morning Mr. Sampson,

As mentioned below, Mr. Matthew Locklear noted that you would be the appropriate contact for the EMS Certification Request regarding a project that the firm I work for is currently working on. At your earliest convenience, please review the email chain and all information contained within, and attached to, this email.


Should you have any questions or need to discuss the request further, please feel free to contact me at the number highlighted below.

Thank you,

Miranda Horne

Project Manager

Locklear, Locklear & Jacobs, PLLC

 A round red and white logo Description automatically generated *PO Box 3119*

114 W. 3rd Street

Pembroke, North Carolina 28372

O: (910) 774- 9306 ext. 6

mirandahorne@llandj.com

www.llandj.com

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 Please consider the environment before printing this email.

From: Matthew Locklear <mattlocklear@scotlandcounty.org>

Sent: Tuesday, December 3, 2024 9:22 AM

To: Miranda Horne <mirandahorne@llandj.com>

Subject: Re: Environmental Assessment - Emergency Medical Services Certification Request

Miranda,

Please forward this request to rsampson@scotlandcounty.org. He will be able to assist you with that information. Robert Sampson.

On Mon, Dec 2, 2024 at 10:07 AM Miranda Horne <mirandahorne@llandj.com> wrote:

Good morning Mr. Locklear,

I wanted to follow up regarding my previous email below. It appears my firm was given the incorrect point of contact by another Scotland County associate for the EMS certification that we are required to provide in connection with the environmental assessment referenced in the email below. If you are able, at your earliest convenience, please review the provided information and respond with the completed word document as requested within the previous email.

I apologize for the confusion and thank you for your time in this matter, please don't hesitate to let me know if you would like to discuss further,

Miranda Horne

Project Manager

Locklear, Locklear & Jacobs, PLLC



Description automatically generated PO Box 3119

114 W. 3rd Street

Pembroke, North Carolina 28372

O: (910) 774- 9306 ext. 6

mirandahorne@llandj.com

www.llandj.com

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Please consider the environment before printing this email.

From: Miranda Horne

Sent: Wednesday, September 25, 2024 3:10 PM

To: parroted@scotlandcounty.org <parroted@scotlandcounty.org>

Cc: Jonathan Locklear <jonathanlocklear@llandj.com>

Subject: Environmental Assessment - Emergency Medical Services Certification Request

Mr. Nederostek,

I'm reaching out to you this afternoon in reference to an environmental assessment that the firm I work for is conducting on behalf of a client on a property (subject property) consisting of two separate parcels that will be recombined as shown in the attached Preliminary Site Plan document. The

subject property is identified by Scotland County's GIS as **PIN ID: 01008001002 and PIN ID: 0100800100201**. The subject property is the site of a future affordable housing development that involves the new construction of multiple one-, two-, and three-bedroom units of supportive housing targeting households at or below 80% AMI. This project will be broken up into two (2) separate phases with the following preliminary breakdown: **Phase I: 10 units (1- and 2- bedroom units); Phase II: 45 units (2- and 3- bedroom units)**. Units of **Phase I** will be targeted to homeless households. As part of this assessment, it is required that we reach out to various local agencies to request the completion of certification forms for each agency. These forms are used to collect any known information that may help in determining any negative or positive environmental impacts in relation to the subject property and it's intended end use.

I have taken the liberty of providing you with the following attachments to aid in identifying the subject property location and intended use:

- Vicinity Location Map
- County GIS Data
- I Ellis Johnson Preliminary Site Plan Layout

We request that you complete the attached word document labeled "**Emergency Medical Services Certification**" to the best of your ability and send back your response at your earliest convenience. Some of the information within has already been pre-filled for your convenience.

If you have any questions about any of the above information or would prefer to discuss further via phone call, please don't hesitate to contact me at the number below.

Thank you,

Miranda Horne
Project Manager
Locklear, Locklear & Jacobs, PLLC

 Description automatically generated

PO Box 3119
114 W. 3rd Street
Pembroke, North Carolina 28372
O: (910) 774- 9306 ext. 6

mirandahorne@llandj.com
www.llandj.com

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Any views expressed in this message are those of the individual sender, not Scotland County Government.

ATTACHMENT 26:

Parks, Open Space and Recreation

Parks and Recreation Certification Form,
Correspondence, and Maps Search Results

PARKS AND RECREATION CERTIFICATION

Project Name:	I Ellis Johnson Multi-Family Affordable Housing
Proposed No. of Units:	Total: 55 Units; Phase I: 10 Units; Phase II: 45 Units
Address:	Corona Avenue, Laurinburg, NC 28352. Identified by Scotland County's GIS system as PIN ID: 01008001002 and PIN ID: 0100800100201.
Closest Intersection or Landmark:	McGirts Bridge Rd and Corona Ave

Adequate and appropriate Parks and Recreational Facilities and Services near the proposed project site are:

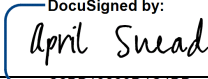
☒ available for the proposed project and ☒ will NOT be adversely affected by the proposed project.

OR

☐ NOT available for the proposed project or ☐ will be adversely affected by the proposed project. Explain: _____

Parks and Recreational Facilities and Services that might serve the proposed project area include: The project will be behind the IE Johnson Community Center which offers senior programs, activities, open gym, etc. The project site is also in the City of Laurinburg and within a reasonable distance to other parks, organized sports Parks and Recreation offers.

Additional Comments/Concerns/Conditions: _____

9/27/2024	<div>DocuSigned by:  C2BB19280D4C4BD...</div>
Date	(Officials Signature)
	April Snead
	(Officials Name – Print or Type)
	County Manager
	(Official's Title)
	Scotland County Parks and Recreation
	(Department Name)



Re: Environmental Assessment - Parks & Recreation Certification Request

From April Snead <asnead@scotlandcounty.org>

Date Fri 9/27/2024 1:33 PM

To Miranda Horne <mirandahorne@llandj.com>

 1 attachment (255 KB)

Parks_and_Recreation_Certification.docx.pdf;

Here you go -

Please let me know if you need anything further -

On Wed, Sep 25, 2024 at 3:39 PM Miranda Horne <mirandahorne@llandj.com> wrote:

Mrs. Snead,

As you are aware, we are currently working on an environmental assessment for SCAP regarding the I Ellis Johnson Multi-Family Affordable Housing project. As part of this assessment, it is required that we reach out to various local agencies to request the completion of various certification forms from each agency. These forms are used to collect any known information that may help in determining any negative or positive environmental impacts in relation to the subject property and it's intended end use. Based on a list of contacts that was provided to us by Mike McGirt and Krista Rodgers, you are listed as the contact regarding the **Parks & Recreation Certification** that we are in need of getting completed.

As a summary of the project, I have provided the following for reference:

- Vicinity Location Map
- County GIS Data
- I Ellis Johnson Preliminary Site Plan Layout

We request that you complete the attached word document labeled "**Parks & Recreation Certification**" to the best of your ability and send back your response at your earliest convenience. Some of the information within has already been pre-filled for your convenience. If this should be directed to someone else instead, please provide me with that name and their contact information.

If you have any questions about any of the above information or would prefer to discuss further via phone call, please don't hesitate to contact me at the number below.

Thank you,

Miranda Horne

Project Manager**Locklear, Locklear & Jacobs, PLLC***PO Box 3119**114 W. 3rd Street**Pembroke, North Carolina 28372**O: (910) 774- 9306 ext. 6*mirandahorne@llandj.comwww.llandj.com

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Please consider the environment before printing this email.

--

April M. Snead, MPM
County Manager
County of Scotland
517 Peden Street, Laurinburg, NC 28352

O: 910- 277-2410 F: 910-277-2411

asnead@scotlandcounty.org

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Google Maps



Imagery ©2025 Airbus, CNES / Airbus, Maxar Technologies, Map data ©2025 Google 1000 ft

Rating ▼

Hours ▼

All filters

Results ⓘ

Share

Hammond Park

4.5 ★★★★★ (163)

Park ·

Open · Closes 8 PM

Market Park

3.9 ★★★★★ (90)

Park · · Lee's, 704 Lee's Mill Rd

Closed · Opens 8:30 AM Tue

Jaycee Park

4.2 ★★★★★ (24)

Park ·

Presbyterian Park

3.9 ★★★★★ (15)

Park · · 601 W Church St

Washington Park

4.0 ★★★★★ (58)

Park · · 1210-1212 Flowers St

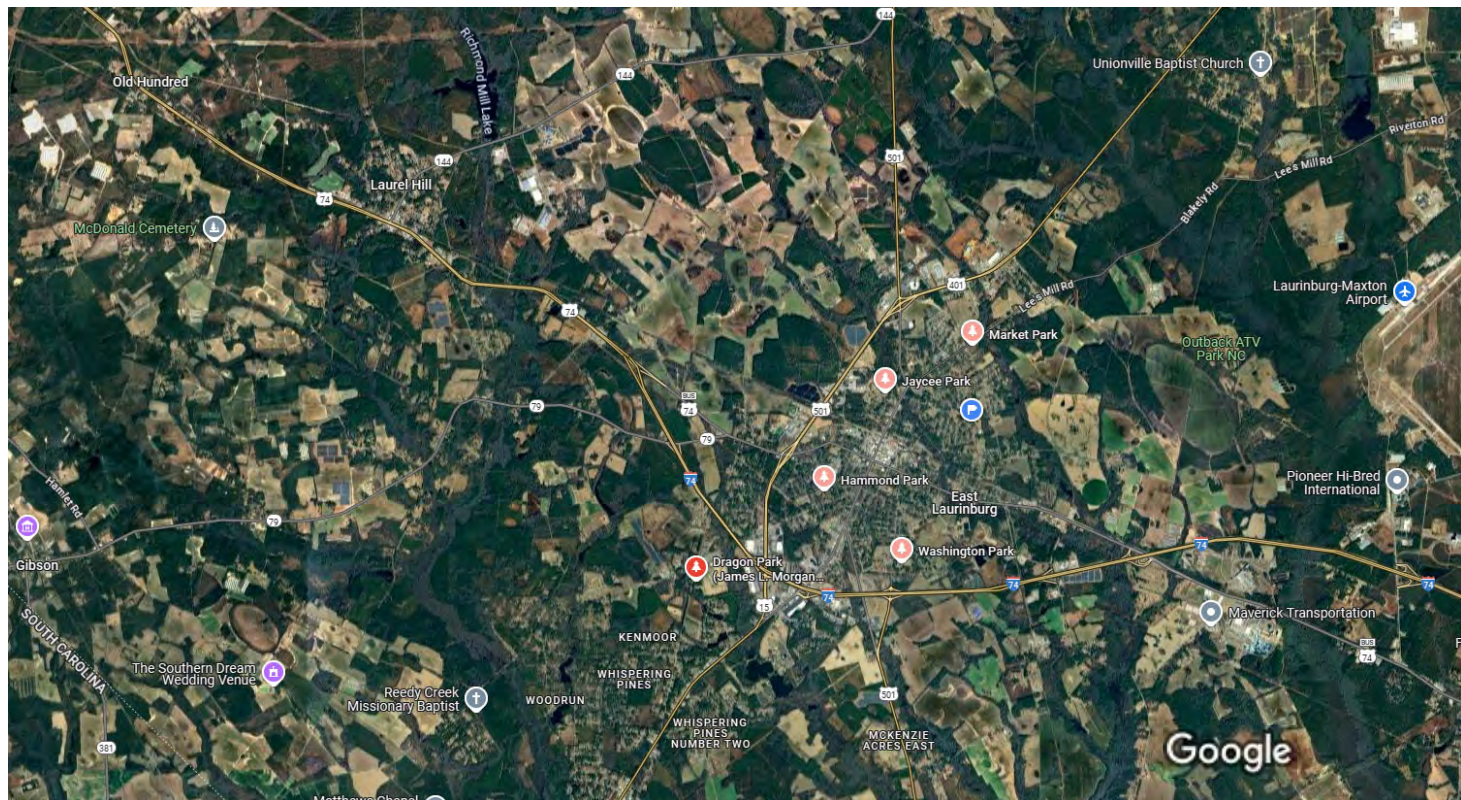
Open · Closes 11:59 PM

Laurinburg Dog Park

3.5 ★★★★★ (25)

Park · 672 401 Service Road





Imagery ©2025 Airbus, CNES / Airbus, Landsat / Copernicus, Maxar Technologies, Map data ©2025 Google 1 mi

Rating ▼

Hours ▼

≡ All filters

Results ⓘ

[Share](#)

Hammond Park

4.5 ★★★★★ (163)

Park · [♿](#)

Open · Closes 8 PM



[User](#) "It was nice.. very clean and not overcrowded."

Jaycee Park

4.2 ★★★★★ (24)

Park · [♿](#)



[User](#) "Playground could be bigger."

Market Park

3.9 ★★★★★ (90)

Park · ♿ · Lee's, 704 Lee's Mill Rd

Closed · Opens 8:30 AM Tue



👤 "Playground also there for the smaller children."

Washington Park

4.0 ★★★★★ (58)

Park · ♿ · 1210-1212 Flowers St

Open · Closes 11:59 PM



👤 "Like another shelter for family gatherings or shaded areas for kids to play."

Dragon Park (James L. Morgan Recreation Complex)

4.5 ★★★★★ (273)

Park · ♿ · 1206 Turnpike Rd

Open · Closes 6 PM



👤 "They have so much for kids to do and just run around and have a good time."

Mini Tonka Wood Park

4.8 ★★★★★ (12)

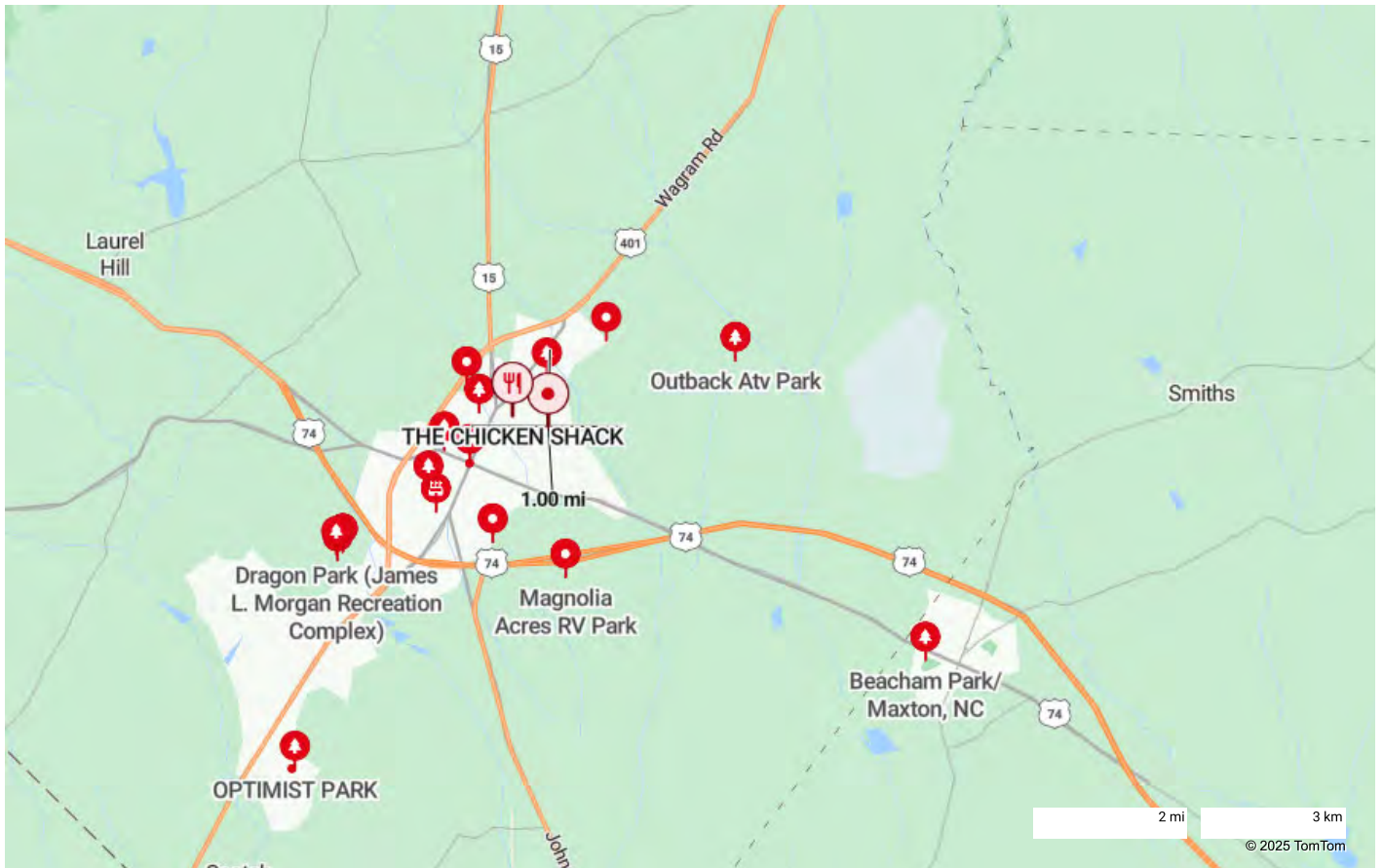
Park · ♿ · 16001 Lake Street Extension

Open · Closes 10 PM



👤 "Our child had a lot of fun at this playground."

PARKS AND RECREATION



park

- 1 Magnolia Acres RV Park**
Address: 15180 Old Johns Rd, Laurinburg, NC 28352
Phone: (910) 280-6553
- 3 Market Park**
Address: 704 Lees Mill Rd, Laurinburg, NC 28352-2709
Phone: (910) 276-7277
- 5 Presbyterian Park**
Address: 600 W Church St, Laurinburg, Nc 28352
Website: <https://laurinburgpres.com/>
- 7 Dragon Park (James L. Morgan Recreation Complex)**
Address: 1206 Turnpike Rd, Laurinburg, NC 28352
Phone: (910) 277-2588
Website: <https://dragon-l-morgan.edan.io/>
- 9 Legion Park**
Address: 1009 Atkinson St, Laurinburg, NC 28352-4720
Phone: (910) 276-0000
Website: <https://www.scotlandcounty.org/Facilities/Facility/Details/Legion-Park-14>
- 11 Highland Village MHC**
Address: 16788 Jessica Rd, Laurinburg, NC 28352-8235
Phone: (910) 910-5459
- 13 Washington Park**
Address: 1212 Flowers St, Laurinburg, NC 28352-5217
- 15 Charles F. Murray Park**
Address: 2 Street, Wagram, NC 28396
- 17 OPTIMIST PARK**
Address: Optimist Ball Park, 9961 Turnpike Rd, Laurinburg, NC 28352-2195
Phone: (806) 366-8478
- 2 Outback Atv Park**
Address: 18576 Mcgirts Bridge Rd, Laurinburg, NC 28352
Phone: (843) 910-2122
Website: <https://www.outbackmsc.com/>
- 4 Hammond Park**
Address: 715 Park Circle, Laurinburg, NC 28352-4417
Website: <https://nextdoor.com/neighborhood/hammond-parknc--laurinburg--nc/>
- 6 Beacham Park/Maxton, NC**
Address: 300 S Austin St, Maxton, NC
Website: <http://www.ci.maxton.nc.us/>
- 8 Jaycee Park**
Address: Hillside Ave @ Gill St, Laurinburg, NC 28352
- 10 Splash Pad**
Address: 1206 Turnpike Rd, Laurinburg, NC 28352
Phone: (910) 277-2455
Website: <https://www.scotlandcounty.org/618/splash-pad-at-morgan-complex>
- 12 Hillside Memorial Park**
Address: Hillside Memorial Cemetery Rd, Laurinburg, NC 28352
- 14 Scotland County Parks and Recreation**
Address: 1210 Turnpike Rd, Laurinburg, NC 28352-1735
Phone: (910) 277-2585
Website: <https://scotlandcounty.org/427/parks-recreation>
- 16 Laurinburg Art Garden**
Address: 100 E W Church St, Laurinburg, NC
Website: <https://www.laurinburg.org/>

ATTACHMENT 27:

Transportation and Accessibility

Transportation Certification Form, Public
Transportation Certification Form, and
Correspondence

TRANSPORTATION CERTIFICATION

Project Name: I Ellis Johnson Multi-Family Affordable Housing
Proposed No. of Units: Total: 55 Units; Phase I: 10 Units; Phase II: 45 Units
Address: Corona Avenue, Laurinburg, NC 28352. Identified by Scotland
County's GIS system as PIN ID: 01008001002 and PIN ID:
0100800100201.
Closest Intersection or
Landmark: McGirts Bridge Rd and Corona Ave

Nearby public roadways conveying traffic to and from the proposed project site:

☒ will NOT be adversely affected by the proposed project. (If applicable, please attach copies of supporting documentation i.e., traffic impact study, etc.)

OR

☐ will be adversely affected by the proposed project. Explain: _____

Changes to public roadways from the proposed project include: _____

Additional Comments/Concerns/Conditions: McGirt's Bridge Rd. is a State Road (SR 1433).
Any proposed changes to the dimensions or number of driveway connections to SR 1433 will
need to be reviewed and approved by this office. Corona Ave. is not a State Road.

12-17-2024

Date


(Officials Signature)

Dagoberto Juarez Pozos

(Officials Name – Print or Type)

District Engineer

(Official's Title)

NCDOT

(Department Name)




Environmental Assessment - Transportation Certification Request

From JuarezPozos, Dagoberto <djuarezpozos@ncdot.gov>

Date Tue 12/17/2024 12:42 PM

To Miranda Horne <mirandahorne@llandj.com>

Cc Reddinger, Kevin S <ksreddinger@ncdot.gov>

 1 attachment (56 KB)

0455_001.pdf;

Good afternoon,

Sorry for the delay in getting back to you. Please find attached the completed environmental assessment for the Laurinburg development on Corona Rd.

If additional information is needed, please let me know.

Thank you,

Dago

Dagoberto Juarez Pozos, P.E.

District Engineer

Division 8, District 2 Office

910-944-7621 Office

910-315-2384 Mobile

djuarezpozos@ncdot.gov

902 North Sandhills Blvd.

Aberdeen, NC 28315



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From: Div8Dist-ResAberdeen@ncdot.gov <Div8Dist-ResAberdeen@ncdot.gov>

Sent: Tuesday, December 17, 2024 1:43 PM

To: JuarezPozos, Dagoberto <djuarezpozos@ncdot.gov>

Subject: Attached Image

Email correspondence to and from this sender is subject to the N.C. Public Records Law and may be disclosed to third parties.



Environmental Assessment - Transportation Certification Request

From Miranda Horne <mirandahorne@llandj.com>

Date Thu 12/5/2024 1:22 PM

To rblakley@ncdot.gov <rblakley@ncdot.gov>

Cc Jonathan Locklear <jonathanlocklear@llandj.com>

 5 attachments (7 MB)

Vicinity Map.pdf; Parcel #1 (IE Johnson & SCAP Property) - GIS Report.pdf; Parcel #2 (SCAP Property) - GIS Report.pdf; SCAP IE Johnson School Location- PRELIM PROPERTY PLAN 8-30-23.pdf; Transportation Certification.docx;

Good afternoon Mr. Blakley,

I'm reaching out to you this afternoon in reference to an environmental assessment that the firm I work for is conducting on behalf of a client on a property (subject property) consisting of two separate parcels that will be recombined as shown in the attached Preliminary Site Plan document. The subject property is identified by Scotland County's GIS as **PIN ID: 01008001002 and PIN ID: 0100800100201**. The subject property is the site of a future affordable housing development that involves the new construction of multiple one-, two-, and three-bedroom units of supportive housing targeting households at or below 80% AMI. This project will be broken up into two (2) separate phases with the following preliminary breakdown: **Phase I: 10 units (1- and 2- bedroom units); Phase II: 45 units (2- and 3- bedroom units)**.

Units of **Phase I** will be targeted to homeless households. As part of this assessment, it is required that we reach out to various local agencies to request the completion of certification forms for each agency. These forms are used to collect any known information that may help in determining any negative or positive environmental impacts in relation to the subject property and it's intended end use.

I have taken the liberty of providing you with the following attachments to aid in identifying the subject property location and intended use:

- Vicinity Location Map
- County GIS Data
- I Ellis Johnson Preliminary Site Plan Layout

We request that you complete the attached word document labeled "**Transportation Certification**" to the best of your ability and send back your response at your earliest convenience. Some of the information within has already been pre-filled for your convenience.

If you have any questions about any of the above information or would prefer to discuss further via phone call, please don't hesitate to contact me at the number below.

Thank you,

Miranda Horne

Project Manager

Locklear, Locklear & Jacobs, PLLC



PO Box 3119

114 W. 3rd Street

Pembroke, North Carolina 28372

O: (910) 774- 9306 ext. 6

mirandahorne@llandj.com

www.llandj.com

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Please consider the environment before printing this email.

PUBLIC TRANSPORTATION CERTIFICATION

Project Name: I Ellis Johnson Multi-Family Affordable Housing
Proposed No. of Units: Total: 55 Units; Phase I: 10 Units; Phase II: 45 Units
Address: Corona Avenue, Laurinburg, NC 28352. Identified by Scotland County's GIS system as PIN ID: 01008001002 and PIN ID: 0100800100201.
Closest Intersection or Landmark: McGirts Bridge Rd and Corona Ave

Public transportation for the proposed project site is:

☒ available for the proposed project and includes ☒ bus ☐ train ☐ cab and/or ☐ other

OR

☐ NOT available for the proposed project Explain: _____

Public Transportation providers that serve the proposed project area include:

Scotland County Area Transit System (SCATS)
(910) 277-2416

Additional Comments/Concerns/Conditions: _____

Public transit by bus is free within Scotland Co. - Riders must register for services by calling the office. All trips are required to be booked at minimum 2 business days before date of trip.

12.9.24

Date

(Officials Signature)

Kimberly McRae

(Officials Name - Print or Type)

SCATS Director

(Official's Title)

Scotland Co. Area Transit System

(Department Name)



RE: Fw: Environmental Assessment - Social Services Certification Request

From Joy Hine <jhine@scotlandcounty.org>

Date Mon 12/9/2024 9:52 AM

To Miranda Horne <mirandahorne@llandj.com>; Jonathan Locklear <jonathanlocklear@llandj.com>; Judd Roth <judd@jkrred.com>

Cc Kimberly McRae <kmcrae@scotlandcounty.org>

 1 attachment (645 KB)

Public Transp & Soc Services Certifications.pdf;

Please find the attached information that you requested. If you have any questions, please feel free to reach out.

Thanks,

Joy

Joy G Hine

Program Administrator

Scotland County Department of Social Services

910-277-2500 ext 3346

910-277-2402 Fax

jhine@scotlandcounty.org

From: Miranda Horne <mirandahorne@llandj.com>

Sent: Monday, December 9, 2024 7:58 AM

To: Joy Hine <jhine@scotlandcounty.org>; Jonathan Locklear <jonathanlocklear@llandj.com>; Judd Roth <judd@jkrred.com>

Cc: kmcrae@scotlandcounty.org

Subject: RE: Fw: Environmental Assessment - Social Services Certification Request

Mrs. Hine,

Thank you for your quick response. Regarding the Transportation Certification Form, it seems that there were a few items we were given the incorrect point of contact information on. I caught this last Friday after our initial exchange and have sent this form to the District Engineer with NCDOT.

Again, my apologies for the confusion. We really appreciate your help in this matter!

Best Regards,

Miranda Horne
Project Manager

Locklear, Locklear & Jacobs, PLLC*PO Box 3119*

114 W. 3rd Street
Pembroke, North Carolina 28372
O: (910) 774- 9306 ext. 6

mirandahorne@llandj.com
www.llandj.com

This message is intended solely for the use of the addressee and may contain information that is PRIVILEGED and CONFIDENTIAL. If you are not the intended recipient, you are hereby notified that any dissemination of this communication is strictly prohibited. If you have received this communication in error, please delete all electronic copies of the message and its attachments, if any, destroy any hard copies you may have created, and notify the sender immediately. Thank you.



Please consider the environment before printing this email.

From: Joy Hine <jhine@scotlandcounty.org>
Sent: Monday, December 9, 2024 7:48 AM
To: Jonathan Locklear <jonathanlocklear@llandj.com>; Judd Roth <judd@jkrred.com>; Miranda Horne <mirandahorne@llandj.com>
Cc: kmcrae@scotlandcounty.org
Subject: RE: Fw: Environmental Assessment - Social Services Certification Request

No problem, I will forward the ones we have for SCATS (Public Transportation Cortication) and DSS (Social Services Certification). However, there was a third one included in the packet, which does not seem to pertain to us that is for a Transportation Certification. I would think you would need to coordinate with someone from NCDOT for that one.

Thanks,
Joy

Joy G Hine
Program Administrator
Scotland County Department of Social Services
910-277-2500 ext 3346
910-277-2402 Fax
jhine@scotlandcounty.org

From: Jonathan Locklear <jonathanlocklear@llandj.com>
Sent: Sunday, December 8, 2024 9:50 AM
To: Judd Roth <judd@jkrred.com>; Miranda Horne <mirandahorne@llandj.com>
Cc: jhine@scotlandcounty.org
Subject: RE: Fw: Environmental Assessment - Social Services Certification Request

Thanks for the response Judd.

Mrs. Joy,

Since the decision was made to move forward with completing these EA compliance items, please send us the information requested as soon as possible.

Thank you.

Jonathan E. Locklear, PE

VP

Locklear, Locklear & Jacobs, PLLC



PO Box 3119

114 W. 3rd Street

Pembroke, North Carolina 28372

O: (910) 774- 9306 ext. 3

jonathanlocklear@llandj.com

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 Please consider the environment before printing this email.

From: Judd Roth <judd@jkrred.com>

Sent: Sunday, December 8, 2024 8:47 AM

To: Miranda Horne <mirandahorne@llandj.com>

Cc: Jonathan Locklear <jonathanlocklear@llandj.com>; jhine@scotlandcounty.org

Subject: Re: Fw: Environmental Assessment - Social Services Certification Request

Miranda, please follow up with Joy. The item is needed for NCHFA & NCOR.

If there is no response, please submit the environmental accordingly asap.

Judd

On Fri, Dec 6, 2024 at 11:20 AM Miranda Horne <mirandahorne@llandj.com> wrote:

Judd,

After a discussion with Jonathan, we think it is in the best interest if a response to the email below came from you. We need these certification requests (Social Services, Transportation, and Public Transportation) completed as part of the Part 58 completion. I am in the process of trying to get this

submitted to NCHFA and NCORR today. I will hold off as long as I can to try and get a response back on this matter, however; Claudia has already sent me the submission link and there is an expiration to access it.

Thank you for your assistance,

Miranda Horne

Project Manager

Locklear, Locklear & Jacobs, PLLC



PO Box 3119

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Pembroke, North Carolina 28372

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Please consider the environment before printing this email.

From: Joy Hine <jhine@scotlandcounty.org>

Sent: Friday, December 6, 2024 11:09 AM

To: Miranda Horne <mirandahorne@llandj.com>

Cc: kmcrae@scotlandcounty.org <kmcrae@scotlandcounty.org>; Jonathan Locklear <jonathanlocklear@llandj.com>

Subject: Re: Environmental Assessment - Social Services Certification Request

Hi Ms. Horne,

I am reaching out to explain that our lack of reply has been due to information that this project did not receive the funding needed to proceed. It is our understanding that the project will not be moving forward. Please let me know if this is not the case and if you still need the information requested.

Thanks,
Joy

Joy G Hine
Program Administrator
Scotland County Department of Social Services
910-277-2500 ext 3346
910-277-2402 Fax
jhine@scotlandcounty.org

On Mon, Dec 2, 2024 at 9:45 AM Miranda Horne <mirandahorne@llandj.com> wrote:

Good morning Mrs. McRae,

I wanted to follow up regarding my previous emails below and see if you and Mrs. Hine had a moment to review the information and respond with the completed word document as requested within the previous email.

Thank you for your time in this matter and please don't hesitate to let me know if you would like to discuss further,

Miranda Horne

Project Manager

Locklear, Locklear & Jacobs, PLLC

PO Box 3119

114 W. 3rd Street

Pembroke, North Carolina 28372

O: (910) 774- 9306 ext. 6

mirandahorne@llandj.com

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the message and its attachments, if any, destroy any hard copies you may have created, and notify the sender immediately. Thank you.



Please consider the environment before printing this email.

From: Miranda Horne

Sent: Wednesday, September 25, 2024 3:22 PM

To: kmcrae@scotlandcounty.org <kmcrae@scotlandcounty.org>; jhine@scotlandcounty.org <jhine@scotlandcounty.org>

Cc: Jonathan Locklear <jonathanlocklear@llandj.com>

Subject: RE: Environmental Assessment - Social Services Certification Request

Mrs. McRae,

Based on the contact list that was provided to us by Mike McGirt and Krista Rodgers, it appears that you would also be the contact for the **Transportation Certification** Form that we need completed as well as Mrs. Hine for the **Public Transportation Certification**. In an effort to alleviate as much confusion as possible for all, I have re-attached the documents from my original email mentioned below, attached both **Transportation Certification** forms, and copied Mrs. Hine in on this email as well

Please complete all 3 Certification Word Documents at your earliest convenience and if either of you have any questions regarding any information stated, feel free to give me a call to discuss!

Thank you in advance for any information you are able to provide,

Miranda Horne

Project Manager

Locklear, Locklear & Jacobs, PLLC

PO Box 3119

114 W. 3rd Street

Pembroke, North Carolina 28372

O: (910) 774- 9306 ext. 6

mirandahorne@llandj.com

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Please consider the environment before printing this email.

From: Miranda Horne

Sent: Wednesday, September 25, 2024 2:48 PM

To: kmcrae@scotlandcounty.org

Cc: Jonathan Locklear <jonathanlocklear@llandj.com>

Subject: Environmental Assessment - Social Services Certification Request

Mrs. McRae,

I'm reaching out to you this afternoon in reference to an environmental assessment that the firm I work for is conducting on behalf of a client on a property (subject property) consisting of two separate parcels that will be recombined as shown in the attached Preliminary Site Plan document. The subject property is identified by Scotland County's GIS as **PIN ID: 01008001002 and PIN ID: 0100800100201**. The subject property is the site of a future affordable housing development that involves the new construction of multiple one-, two-, and three-bedroom units of supportive housing targeting households at or below 80% AMI. This project will be broken up into two (2) separate phases with the following preliminary breakdown: **Phase I: 10 units (1- and 2-bedroom units); Phase II: 45 units (2- and 3- bedroom units)**. Units of **Phase I** will be targeted to homeless households. As part of this assessment, it is required that we reach out to various local agencies to request the completion of certification forms for each agency. These forms are used to collect any known information that may help in determining any negative or positive environmental impacts in relation to the subject property and it's intended end use.

I have taken the liberty of providing you with the following attachments to aid in identifying the subject property location and intended use:

- Vicinity Location Map
- County GIS Data
- I Ellis Johnson Preliminary Site Plan Layout

We request that you complete the attached word document labeled “**Social Services Certification**” to the best of your ability and send back your response at your earliest convenience. Some of the information within has already been pre-filled for your convenience.

If you have any questions about any of the above information or would prefer to discuss further via phone call, please don't hesitate to contact me at the number below.

Thank you,

Miranda Horne

Project Manager

Locklear, Locklear & Jacobs, PLLC

PO Box 3119

114 W. 3rd Street

Pembroke, North Carolina 28372

O: (910) 774- 9306 ext. 6

mirandahorne@llandj.com

www.llandj.com

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ATTACHMENT 28:

State Environmental Clearinghouse Comments

NCORR DRAFT EA

Gievers, Andrea

From: State Clearinghouse
Sent: Wednesday, June 4, 2025 8:27 AM
To: Gievers, Andrea; State Clearinghouse
Subject: RE: NEPA HUD Part 58 NCORR Draft EA Review - I Ellis Johnson

Follow Up Flag: Follow up
Flag Status: Flagged

Good morning, Andrea,

The N.C. State Environmental Review Clearinghouse has received the request for review of the ***I. Ellis Johnson Multi-Family Housing***. This project has been assigned State Clearinghouse # **25-E-0000-0243** and **this number should be used in all inquiries or correspondence with this office.**

The document(s) has been forwarded to various governmental organizations for review and comment. In addition, notification of the availability of the document will appear on the North Carolina Environmental Bulletin at [Environmental Bulletin - State Clearinghouse \(nc.gov\)](https://www.nc.gov/environmental-bulletin).

The review of this project should be completed on **July 7, 2025**. After the review has concluded, the comments and signoff letter will be emailed to the email address used for the message.

Should you have any questions, please email State.Clearinghouse@doa.nc.gov.

Thank you,



Crystal Best
Human Resources
Administrative Specialist

984-236-0051 | office
crystal.best@doa.nc.gov
1322 Mail Service Center, Raleigh NC 27699-1322
325 N. Salisbury St., Raleigh, NC
[doa.nc.gov](https://www.doa.nc.gov)

From: Gievers, Andrea <andrea.l.gievers@rebuild.nc.gov>
Sent: Wednesday, June 4, 2025 8:27 AM
To: State Clearinghouse <State.Clearinghouse@doa.nc.gov>
Cc: Molyneaux, Kadisha <kadisha.molyneaux@doa.nc.gov>
Subject: NEPA HUD Part 58 NCORR Draft EA Review - I Ellis Johnson

Dear Ms. Molyneaux:

Please accept for review the NEPA HUD Part 58 Draft EA for the ***I. Ellis Johnson Multi-Family Housing*** located on approximately **11.49 acres** on Corona Avenue in Laurinburg, Scotland County, NC 28352. The North Carolina Office of

Recovery and Resiliency (NCORR) as a recipient of Community Development Block Grant – Disaster Recovery (CDBG-DR) funds from the United States Department of Housing and Urban Development (HUD) is considering funding this proposed affordable housing project. NCORR's Draft EA is available for download at [State Clearinghouse Draft 6.4.25](#). I. Ellis Johnson Multi-Family Housing involves new construction of a 55-unit multifamily, affordable housing apartment complex with a gazebo, playground, open green space, paved parking areas, retention pond, landscaping, and associated infrastructure. Thank you so much for distributing this project to the State Environmental Clearinghouse's project review team and participating agencies. If you have any questions or require additional information regarding this project review request, please feel free to contact Andrea Gievers at (845) 682-1700 or via email at Andrea.L.Gievers@Rebuild.NC.gov. Thank you for your time and assistance!

Sincerely,

Andrea

Andrea Gievers, JD, MSEL, ERM
Environmental SME
Community Development
NC Office of Recovery and Resiliency
Andrea.L.Gievers@Rebuild.NC.Gov
(845) 682-1700

Email correspondence to and from this address may be subject to the North Carolina Public Records Law and may be disclosed to third parties by an authorized state official.



Josh Stein
Governor

Gabriel J. Esparza
Secretary

July 23, 2025

Andrea Gievers
NC Department of Public Safety
Office of Recovery and Resiliency
P.O. Box 110465
Durham, NC 27709-

Re: SCH File # 25-E-0000-0243 Proposed project for the construction of I. Ellis Johnson Multi-Family Housing located in Laurinburg, NC. Project will consist of a 55-unit multifamily, affordable housing apartment complex with a gazebo, playground, open green space, paved parking areas, retention pond, landscaping, and associated

Dear Andrea Gievers:

The above referenced environmental impact information has been submitted to the State Clearinghouse under the provisions of the National Environmental Policy Act. According to G.S. 113A-10, when a state agency is required to prepare an environmental document under the provisions of federal law, the environmental document meets the provisions of the State Environmental Policy Act.

Attached to this letter are comments made by the agencies in the review of this document. If any further environmental review documents are prepared for this project, they should be forwarded to this office for intergovernmental review.

If you have any questions, please do not hesitate to contact me at (984) 236-0000.

Sincerely,

CRYSTAL BEST
State Environmental Review Clearinghouse

Attachments

Mailing
1301 Mail Service Center | Raleigh, NC 27699-1301



ncadmin.nc.gov

Location
325 N. Salisbury St. | Raleigh, NC 27603
984-236-0000

Control No.: 25-E-0000-0243

Date Received: 6/4/2025

County.: SCOTLAND

Agency Response: 7/7/2025

Review Closed: 7/7/2025

DEVON BORGARDT
CLEARINGHOUSE COORDINATOR
DEPT OF NATURAL & CULTURAL
RESOURCE

Project Information

Type: National Environmental Policy Act ironmental Assessment

Applicant: NC Department of Public Safety

Project Desc.: Proposed project for the construction of I. Ellis Johnson Multi-Family Housing located in Laurinburg, NC. Project will consist of a 55-unit multifamily, affordable housing apartment complex with a gazebo, playground, open green space, paved parking areas, retention pond, landscaping, and associated infrastructure.

As a result of this review the following is submitted:

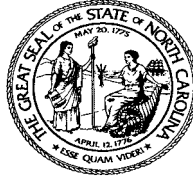
☐ No Comment

☐ Comments Below

☒ Documents Attached

Reviewed By: DEVON BORGARDT

Date: 6/19/2025



**North Carolina Department of Natural and Cultural Resources
State Historic Preservation Office**

Ramona M. Bartos, Administrator

Governor Josh Stein
Secretary Pamela B. Cashwell

Office of Archives and History
Deputy Secretary Darin J. Waters, Ph.D.

June 19, 2025

MEMORANDUM

TO: Bridgette.Morris-McLawhorn state.clearinghouse@doa.nc.gov
North Carolina State Clearinghouse
Department of Administration

FROM: Ramona M. Bartos, Deputy
State Historic Preservation Officer *RMB for Ramona M. Bartos*

SUBJECT: Construct I. Ellis Johnson multi-family housing, Corona Avenue, Laurinburg,
Scotland County, 25-E-0000-0243, ER 24-2897

Thank you for your email of June 4, 2025 concerning the above project.

We have conducted a review of the project and are aware of no historic resources which would be affected by the project. Therefore, we have no comment on the project as proposed.

The above comments are made pursuant to Section 106 of the National Historic Preservation Act and the Advisory Council on Historic Preservation's Regulations for Compliance with Section 106 codified at 36 CFR Part 800.

Thank you for your cooperation and consideration. If you have questions concerning the above comment, contact Renee Gledhill-Earley, environmental review coordinator, at 919-814-6579 or environmental.review@dnctr.nc.gov. In all future communication concerning this project, please cite the above referenced tracking number.

cc: Andrea Gievers, NC Department of Public Safety andrea.l.gievers@rebuild.nc.gov
Claudia Young, NC Housing Finance Agency csyoung@nchfa.com

Control No.: 25-E-0000-0243

Date Received: 6/4/2025

County.: SCOTLAND

Agency Response: 7/7/2025

Review Closed: 7/7/2025

LYN BILES

CLEARINGHOUSE COORDINATOR

DEPT OF ENVIRONMENTAL QUALITY

Project Information

Type: National Environmental Policy Act Environmental Assessment

Applicant: NC Department of Public Safety

Project Desc.: Proposed project for the construction of I. Ellis Johnson Multi-Family Housing located in Laurinburg, NC. Project will consist of a 55-unit multifamily, affordable housing apartment complex with a gazebo, playground, open green space, paved parking areas, retention pond, landscaping, and associated infrastructure.

As a result of this review the following is submitted:

☐ No Comment

☐ Comments Below

☒ Documents Attached

Reviewed By: LYN BILES

Date: 7/23/2025



NORTH CAROLINA
Environmental Quality

JOSH STEIN
Governor

D. REID WILSON
Secretary

To: Gabrielle McKeithen
State Clearinghouse
NC Department of Administration

From: Lyn Biles
Division of Environmental Assistance and Customer Service
NC Department of Environmental Quality

RE: 25-0243
Environmental Assessment - Proposed project for the construction of I. Ellis Johnson Multi-Family, consisting of a 55-unit multifamily, affordable housing apartment complex with a gazebo, playground, open green space, paved parking areas, retention pond, landscaping, and associated infrastructure.
Scotland County

Date: July 9, 2025

The Department of Environmental Quality has reviewed the proposal for the referenced project. Several of our agencies have identified potential permits that may be required and provided recommendations to help minimize negative impacts on and around the project site.

I have attached the comments for the applicant's consideration.

Thank you for the opportunity to respond.

Attachments



North Carolina Department of Environmental Quality
217 West Jones Street | 1601 Mail Service Center | Raleigh, North Carolina 27699-1601
919.707.8661

State of North Carolina Department of Environmental Quality
INTERGOVERNMENTAL REVIEW PROJECT COMMENTS

Reviewing Regional Office: Fayetteville
Project Number: 25-0243 Due Date: 7/3/2025
County: Scotland

After review of this project it has been determined that the DEQ permit(s) and/or approvals indicated may need to be obtained in order for this project to comply with North Carolina Law. Questions regarding these permits should be addressed to the Regional Office indicated on the reverse of the form. All applications, information and guidelines relative to these plans and permits are available from the same Regional Office.

	PERMITS	SPECIAL APPLICATION PROCEDURES or REQUIREMENTS	Normal Process Time (statutory time limit)
<input checked="" type="checkbox"/>	Permit to construct & operate wastewater treatment facilities, non-standard sewer system extensions & sewer systems that do not discharge into state surface waters.	Application 90 days before begins construction or award of construction contracts. On-site inspection may be required. Post-application technical conference usual.	30 days (90 days)
<input checked="" type="checkbox"/>	Permit to construct & operate, sewer extensions involving gravity sewers, pump stations and force mains discharging into a sewer collection system	Fast-Track Permitting program consists of the submittal of an application and an engineer's certification that the project meets all applicable State rules and Division Minimum Design Criteria.	30 days (N/A)
<input type="checkbox"/>	NPDES - permit to discharge into surface water and/or permit to operate and construct wastewater facilities discharging into state surface waters.	Application 180 days before begins activity. On-site inspection. Pre-application conference usual. Additionally, obtain permit to construct wastewater treatment facility-granted after NPDES. Reply time, 30 days after receipt of plans or issue of NPDES permit-whichever is later.	90-120 days (N/A)
<input type="checkbox"/>	Water Use Permit	Pre-application technical conference usually necessary.	30 days (N/A)
<input type="checkbox"/>	Well Construction Permit	Complete application must be received and permit issued prior to the installation of a groundwater monitoring well located on property not owned by the applicant, and for a large capacity (>100,000 gallons per day) water supply well.	7 days (15 days)
<input type="checkbox"/>	Dredge and Fill Permit	Application copy must be served on each adjacent riparian property owner. On-site inspection. Pre-application conference usual. Filling may require Easement to Fill from N.C. Department of Administration and Federal Dredge and Fill Permit.	55 days (90 days)
<input type="checkbox"/>	Permit to construct & operate Air Pollution Abatement facilities and/or Emission Sources as per 15 A NCAC (2Q.O100 thru 2Q.0300)	Application must be submitted and permit received prior to construction and operation of the source. If a permit is required in an area without local zoning, then there are additional requirements and timelines (2Q.0113).	90 days
<input type="checkbox"/>	Any open burning associated with subject proposal must be in compliance with 15 A NCAC 2D.1900	N/A	60 days (90 days)
<input type="checkbox"/>	Demolition or renovations of structures containing asbestos material must be in compliance with 15 A NCAC 20.1110 (a) (1) which requires notification and removal prior to demolition. Contact Asbestos Control Group 919-707-5950	Please Note - The Health Hazards Control Unit (HHCU) of the N.C. Department of Health and Human Services, must be notified of plans to demolish a building, including residences for commercial or industrial expansion, even if no asbestos is present in the building.	60 days (90 days)
<input type="checkbox"/>	The Sedimentation Pollution Control Act of 1973 must be properly addressed for any land disturbing activity. An erosion & sedimentation control plan will be required if one or more acres are to be disturbed. Plan must be filed with and approved by applicable Regional Office (Land Quality Section) at least 30 days before beginning activity. A NPDES Construction Stormwater permit (NCG010000) is also usually issued should design features meet minimum requirements. A fee of \$100 for the first acre or any part of an acre. An express review option is available with additional fees.		20 days (30 days)
<input type="checkbox"/>	Sedimentation and erosion control must be addressed in accordance with NCDOT's approved program. Particular attention should be given to design and installation of appropriate perimeter sediment trapping devices as well as stable Stormwater conveyances and outlets.		(30 days)
<input type="checkbox"/>	Sedimentation and erosion control must be addressed in accordance with _____ Local Government's approved program. Particular attention should be given to design and installation of appropriate perimeter sediment trapping devices as well as stable Stormwater conveyances and outlets.		Based on Local Program
<input type="checkbox"/>	Compliance with 15A NCAC 2H .0126 - NPDES Stormwater Program which regulates three types of activities: Industrial, Municipal Separate Storm Sewer System & Construction activities that disturb ≥1 acre.		30-60 days (90 days)
<input type="checkbox"/>	Compliance with 15A NCAC 2H 1000 -State Stormwater Permitting Programs regulate site development and post-construction stormwater runoff control. Areas subject to these permit programs include all 20 coastal counties, and various other counties and watersheds throughout the state.		45 days (90 days)

State of North Carolina Department of Environmental Quality
INTERGOVERNMENTAL REVIEW PROJECT COMMENTS

Reviewing Regional Office: Fayetteville
Project Number: 25-0243 Due Date: 7/3/2025
County: Scotland

	PERMITS	SPECIAL APPLICATION PROCEDURES or REQUIREMENTS	Normal Process Time (statutory time limit)
<input type="checkbox"/>	Mining Permit	On-site inspection usual. Surety bond filed with DEQ Bond amount varies with type mine and number of acres of affected land. Affected area greater than one acre must be permitted. The appropriate bond must be received before the permit can be issued.	30 days (60 days)
<input type="checkbox"/>	Dam Safety Permit	If permit required, application 60 days before begin construction. Applicant must hire N.C. qualified engineer to: prepare plans, inspect construction, and certify construction is according to DEQ approved plans. May also require a permit under mosquito control program. And a 404 permit from Corps of Engineers. An inspection of site is necessary to verify Hazard Classification. A minimum fee of \$200.00 must accompany the application. An additional processing fee based on a percentage or the total project cost will be required upon completion.	30 days (60 days)
<input type="checkbox"/>	Oil Refining Facilities	N/A	90-120 days (N/A)
<input type="checkbox"/>	Permit to drill exploratory oil or gas well	File surety bond of \$5,000 with DEQ running to State of NC conditional that any well opened by drill operator shall, upon abandonment, be plugged according to DEQ rules and regulations.	10 days N/A
<input type="checkbox"/>	Geophysical Exploration Permit	Application filed with DEQ at least 10 days prior to issue of permit. Application by letter. No standard application form.	10 days N/A
<input type="checkbox"/>	State Lakes Construction Permit	Application fee based on structure size is charged. Must include descriptions & drawings of structure & proof of ownership of riparian property	15-20 days N/A
<input type="checkbox"/>	401 Water Quality Certification	Compliance with the T15A 02H .0500 Certifications are required whenever construction or operation of facilities will result in a discharge into navigable water as described in 33 CFR part 323.	60 days (130 days)
<input type="checkbox"/>	Compliance with Catawba, Goose Creek, Jordan Lake, Randleman, Tar Pamlico or Neuse Riparian Buffer Rules is required. Buffer requirements: http://deq.nc.gov/about/divisions/water-resources/water-resources-permits/wastewater-branch/401-wetlands-buffer-permits/401-riparian-buffer-protection-program		
<input type="checkbox"/>	Nutrient Offset: Loading requirements for nitrogen and phosphorus in the Neuse and Tar-Pamlico River basins, and in the Jordan and Falls Lake watersheds, as part of the nutrient-management strategies in these areas. DWR nutrient offset information: http://deq.nc.gov/about/divisions/water-resources/planning/nonpoint-source-management/nutrient-offset-information		
<input type="checkbox"/>	CAMA Permit for MAJOR development	\$250.00 - \$475.00 fee must accompany application	75 days (150 days)
<input type="checkbox"/>	CAMA Permit for MINOR development	\$100.00 fee must accompany application	22 days (25 days)
<input checked="" type="checkbox"/>	Abandonment of any wells, if required must be in accordance with Title 15A. Subchapter 2C.0100.		
<input checked="" type="checkbox"/>	Notification of the proper regional office is requested if "orphan" underground storage tanks (USTS) are discovered during any excavation operation.		
<input type="checkbox"/>	Plans and specifications for the construction, expansion, or alteration of a public water system must be approved by the Division of Water Resources/Public Water Supply Section prior to the award of a contract or the initiation of construction as per 15A NCAC 18C .0300 et. seq., Plans and specifications should be submitted to 1634 Mail Service Center, Raleigh, North Carolina 27699-1634. All public water supply systems must comply with state and federal drinking water monitoring requirements. For more information, contact the Public Water Supply Section, (919) 707-9100.		30 days
<input type="checkbox"/>	If existing water lines will be relocated during the construction, plans for the water line relocation must be submitted to the Division of Water Resources/Public Water Supply Section at 1634 Mail Service Center, Raleigh, North Carolina 27699-1634. For more information, contact the Public Water Supply Section, (919) 707-9100.		30 days
<input type="checkbox"/>	Plans and specifications for the construction, expansion, or alteration of the _____ water system must be approved through the _____ delegated plan approval authority. Please contact them at _____ for further information.		

State of North Carolina Department of Environmental Quality
INTERGOVERNMENTAL REVIEW PROJECT COMMENTS

Reviewing Regional Office: Fayetteville
Project Number: 25-0243 Due Date: 7/3/2025
County: Scotland

Other Comments (attach additional pages as necessary, being certain to comment authority)

Division	Initials	No comment	Comments	Date Review
DAQ		<input type="checkbox"/>		/ /
DWR-WQROS (Aquifer & Surface)	CCT &	<input checked="" type="checkbox"/>	&	6/10/25 / /
DWR-PWS		<input type="checkbox"/>		/ /
DEMLR (LQ & SW)	MAJ	<input type="checkbox"/>	Submit an erosion and sediment control plan (ESCP) at least 30 days prior to initiating land-disturbing activity that satisfy the one (1) acre and/or Construction Stormwater NCG01 Common Plan of Development regulatory threshold. Additional information pertaining to our ESCP application process may be found at Erosion and Sediment Control NC DEQ Obtain NPDES Construction Stormwater General Permit NCG010000 Certificate of Coverage prior to initiating land-disturbing activity following approval of the ESCP by going to the following link https://www.deq.nc.gov/about/divisions/energy-mineral-and-land-resources/stormwater/stormwater-program/npdes-construction-program	6/24/25
DWM – UST	KEC	<input type="checkbox"/>	The UST Section, Fayetteville Regional Office, does not have records of a petroleum release in the general area of the parcel ID provided for this project number. However, the tank registration database indicates a 10,000 gallon fuel oil tank was permanently closed 12/21/1998 at the Ellis Johnson Middle School, 815 McGirt's Bridge Road, Laurinburg. There are no records for this tank closure.	6/6/25
Other Comments		<input type="checkbox"/>		/ /

REGIONAL OFFICES

Questions regarding these permits should be addressed to the Regional Office marked below.

☐ **Asheville Regional Office**
2090 U.S. 70 Highway
Swannanoa, NC 28778-8211
Phone: 828-296-4500
Fax: 828-299-7043

☒ **Fayetteville Regional Office**
225 Green Street, Suite 714,
Fayetteville, NC 28301-5043
Phone: 910-433-3300
Fax: 910-486-0707

☐ **Mooresville Regional Office**
610 East Center Avenue, Suite 301,
Mooresville, NC 28115
Phone: 704-663-1699
Fax: 704-663-6040

☐ **Raleigh Regional Office**
3800 Barrett Drive,
Raleigh, NC 27609
Phone: 919-791-4200
Fax: 919-571-4718

☐ **Washington Regional Office**
943 Washington Square Mall,
Washington, NC 27889
Phone: 252-946-6481
Fax: 252-975-3716

☐ **Wilmington Regional Office**
127 Cardinal Drive Ext.,
Wilmington, NC 28405
Phone: 910-796-7215
Fax: 910-350-2004

☐ **Winston-Salem Regional Office**
450 Hanes Mill Road, Suite 300,
Winston-Salem, NC 27105
Phone: 336-776-9800
Fax: 336-776-9797



MEMORANDUM

TO: Michael Scott, Division Director through Sharon Brinkley

FROM: Amanda Thompson, Environmental Senior Specialist – Solid Waste Section

DATE: June 9, 2025

SUBJECT: Review: SW 25-0243 – Scotland County (Scoping – NC Department of Public Safety – Proposed project is for the construction of I. Ellis Johnson Multi-Family Housing, a 55-unit, affordable housing apartment complex with green space and associated infrastructure, off Corona Avenue in Laurinburg.)

The Division of Waste Management, Solid Waste Section (Section) has reviewed the documents submitted for the subject project in Scotland County, NC. Based on the information provided in this document, the Section at this time does not see an adverse impact on the surrounding communities and likewise knows of no situations in the communities which would affect this project.

For any planned or proposed projects, it is recommended that during any land clearing, demolition, and construction, the NC Department of Public Safety and/or its contractors would make every feasible effort to minimize the generation of waste, to recycle materials for which viable markets exist, and to use recycled products and materials in the development of this project where suitable. **Any waste generated by and of the project that cannot be beneficially reused or recycled as described, may require disposal at a solid waste management facility permitted by the Division. The Section strongly recommends that the NC Department of Public Safety require all contractors to provide proof of proper disposal for all generated waste to permitted facilities.**

Permitted solid waste management facilities are listed on the Division of Waste Management, Solid Waste Section portal site at: <https://deq.nc.gov/about/divisions/waste-management/waste-management-rules-data/solid-waste-management-annual-reports/solid-waste-permitted-facility-list>

And the site locator tool at:

<https://ncdenr.maps.arcgis.com/apps/webappviewer/index.html?id=7dd59be2750b40bebebf49fc383f688>

Questions regarding solid waste management for this project should be directed to Mr. David Powell, Environmental Senior Specialist, Solid Waste Section, at (910) 280-5135.

cc: David Powell, Environmental Senior Specialist



JOSH STEIN
Governor
D. REID WILSON
Secretary
MICHAEL SCOTT
Director



Date: June 9, 2025

To: Michael Scott, Director
Division of Waste Management

Through: Janet Macdonald
Inactive Hazardous Sites Branch

From: Katie C Tatum
Inactive Hazardous Sites Branch

Subject: NEPA Project # 25-0243 NC Department of Public Safety, Scotland County, North Carolina

The Superfund Section has reviewed the proximity of sites under its jurisdiction to the NC Department of Public Safety project. The proposed project is for the construction of I. Ellis Johnson Multi-Family Housing located in Laurinburg, NC. The project will consist of a 55-unit multifamily, affordable housing apartment complex with a gazebo, playground, open green space, paved parking areas, retention pond, landscaping, and associated infrastructure.

Three (3) Superfund Section sites and no (0) Brownfields Program Sites were identified within one mile of the project as shown on the attached report. The Superfund Section recommends that site files be reviewed to ensure that appropriate precautions are incorporated into any construction activities that encounter potentially contaminated soil or groundwater. Superfund Section files can be viewed at: <http://deq.nc.gov/waste-management-laserfiche>.

Please contact Janet Macdonald at 919.707.8349 if you have any questions concerning the Superfund Section review portion of this SEPA/NEPA inquiry.



North Carolina Department of Environmental Quality | Division of Waste Management
217 West Jones Street | 1646 Mail Service Center | Raleigh, North Carolina 27699-1646
919.707.8200

Superfund & Brownfield Sites SEPA/NEPA Review Report

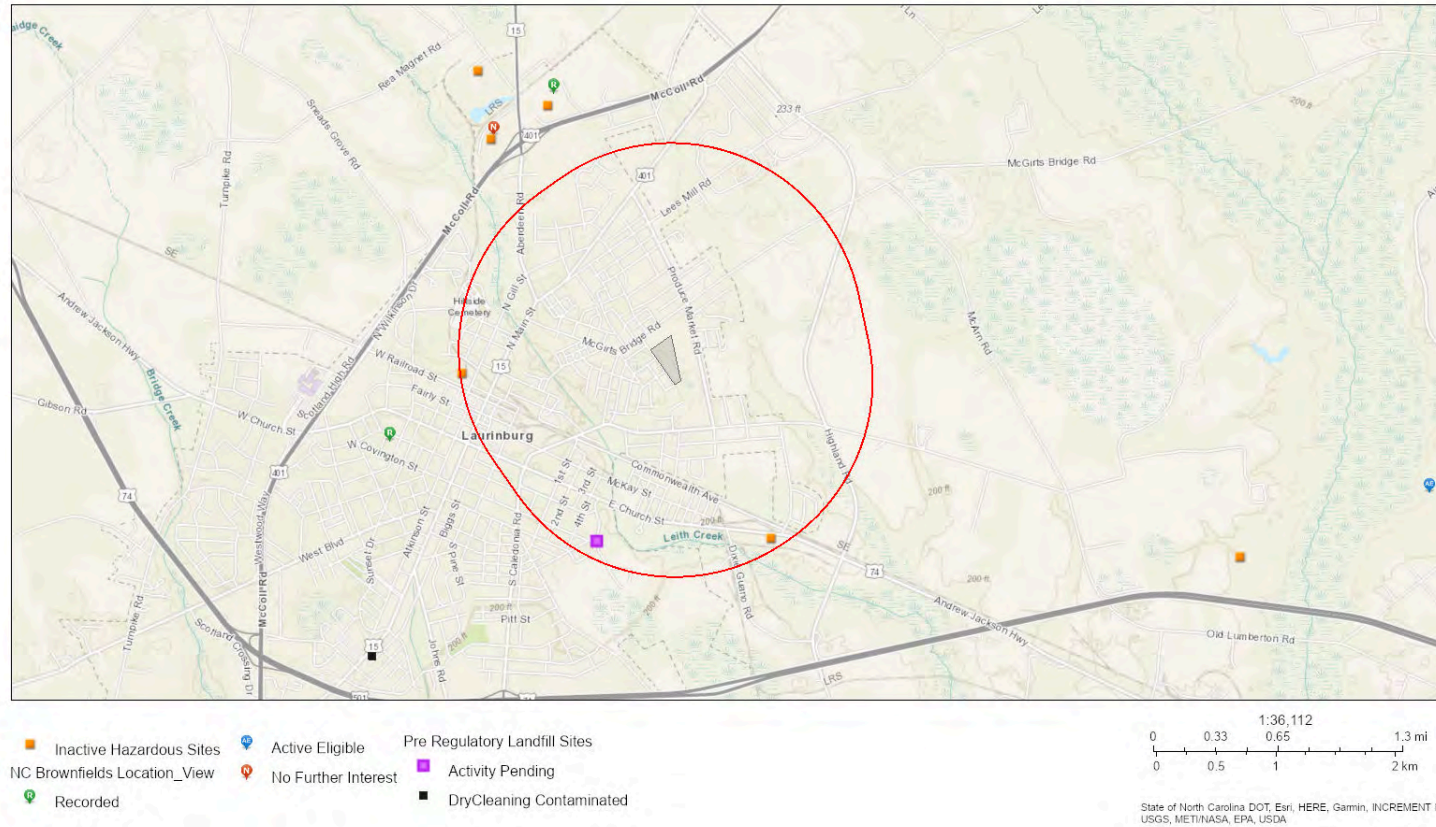
Area of Interest (AOI) Information

Scotland County

NEPA project 25-0243

Area : 2,425.82 acres

Jun 9 2025 12:01:04 Eastern Daylight Time



Summary

Name	Count	Area(acres)	Length(mi)
Certified DSCA Sites	0	N/A	N/A
Federal Remediation Branch Sites	0	N/A	N/A
Inactive Hazardous Sites	2	N/A	N/A
Pre-Regulatory Landfill Sites	1	N/A	N/A
Brownfields Program Sites	0	N/A	N/A

Inactive Hazardous Sites

#	EPAID	SITENAME	Count
1	NCD982080152	PEE DEE TIMBER CO	1
2	NONCD0003296	EAST CHURCH ST CONTAMINATION	1

Pre-Regulatory Landfill Sites

#	EPAID	SITENAME	Count
1	NONCD0000565	Laurinburg Dump	1

Department of Environmental Quality

Project Review

Project Number: 25-0243

County: Scotland

Date Received: 6-4-2025

Due Date: 7-3-2025

Project Description:

Environmental Assessment - Proposed project for the construction of I. Ellis Johnson Multi-Family Housing located in Laurinburg, NC. Project will consist of a 55-unit multifamily, affordable housing apartment complex with a gazebo, playground, open green space, paved parking areas, retention pond, landscaping, and associated infrastructure.

This Project is being reviewed as indicated below:

Regional Office	Regional Office Area	In-House Review	
Asheville	Air	Air Quality	Coastal Management
Fayetteville	DWR	Waste Mgmt	Marine Fisheries
Mooresville	DWR - Public Water	Water Resources Mgmt (Public	CC & PS Div. of
Raleigh	DEMLR (LQ & SW)	Water, Planning & Water	Emergency Mgmt
Washington	DWM	Quality Program)	DMF-Shellfish Sanitation
Wilmington		DWR-Transportation Unit	Wildlife <u>Gabriela</u>
Winston Salem			Wildlife/DOT

Manager Sign-Off/Region:	Date: 6-30-25	In-House Reviewer/Agency: Melodi Deaver, Hazardous Waste Section
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Response (check all applicable)

☐ No objection to project as proposed. ☒ No Comment

☐ Insufficient information to complete review ☐ Other (specify or attach comments)

Department of Environmental Quality

Project Review

Project Number: 25-0243

County: Scotland

Date Received: 6-4-2025

Due Date: 7-3-2025

Project Description:

Environmental Assessment - Proposed project for the construction of I. Ellis Johnson Multi-Family Housing located in Laurinburg, NC. Project will consist of a 55-unit multifamily, affordable housing apartment complex with a gazebo, playground, open green space, paved parking areas, retention pond, landscaping, and associated infrastructure.

This Project is being reviewed as indicated below:

Regional Office	Regional Office Area	In-House Review	
Asheville	Air	Air Quality	Coastal Management
Fayetteville	DWR	Waste Mgmt	Marine Fisheries
Mooresville	DWR - Public Water	Water Resources Mgmt (Public	CC & PS Div. of
Raleigh	DEMLR (LQ & SW)	Water, Planning & Water	Emergency Mgmt
Washington	DWM	Quality Program)	DMF-Shellfish Sanitation
Wilmington		DWR-Transportation Unit	Wildlife <u>Gabriela</u>
Winston Salem			Wildlife/DOT

Manager Sign-Off/Region:	Date:	In-House Reviewer/Agency:
	6/12/2025	DWR/WRM David Wainwright

Response (check all applicable)

☐ No objection to project as proposed.

☒ No Comment

☐ Insufficient information to complete review

☐ Other (specify or attach comments)

Department of Environmental Quality

Project Review

Project Number: 25-0243

County: Scotland

Date Received: 6-4-2025

Due Date: 7-3-2025

Project Description:

Environmental Assessment - Proposed project for the construction of I. Ellis Johnson Multi-Family Housing located in Laurinburg, NC. Project will consist of a 55-unit multifamily, affordable housing apartment complex with a gazebo, playground, open green space, paved parking areas, retention pond, landscaping, and associated infrastructure.

This Project is being reviewed as indicated below:

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Raleigh	DEMLR (LQ & SW)	Water, Planning & Water	Emergency Mgmt
Washington	DWM	Quality Program)	DMF-Shellfish Sanitation
Wilmington		DWR-Transportation Unit	Wildlife <u>Gabriela</u>
Winston Salem			Wildlife/DOT

Manager Sign-Off/Region:	Date:	In-House Reviewer/Agency: Gabriela Garrison/NCWRC
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Response (check all applicable)

☐ No objection to project as proposed.

☒ No Comment

☐ Insufficient information to complete review

☐ Other (specify or attach comments)

Control No.: 25-E-0000-0243

Date Received: 6/4/2025

County.: SCOTLAND

Agency Response: 7/7/2025

Review Closed: 7/7/2025

JINTAO WEN
CLEARINGHOUSE COORDINATOR
DPS - DIV OF EMERGENCY MANAGEMENT

Project Information

Type: National Environmental Policy Act ironmental Assessment

Applicant: NC Department of Public Safety

Project Desc.: Proposed project for the construction of I. Ellis Johnson Multi-Family Housing located in Laurinburg, NC. Project will consist of a 55-unit multifamily, affordable housing apartment complex with a gazebo, playground, open green space, paved parking areas, retention pond, landscaping, and associated infrastructure.

As a result of this review the following is submitted:

☒ No Comment

☐ Comments Below

☐ Documents Attached

Reviewed By: JINTAO WEN

Date: 6/23/2025

Control No.: 25-E-0000-0243

Date Received: 6/4/2025

County.: SCOTLAND

Agency Response: 7/7/2025

Review Closed: 7/7/2025

JESSICA MOSLEY
CLEARINGHOUSE COORDINATOR
DEPT OF TRANSPORTATION

Project Information

Type: National Environmental Policy Act Environmental Assessment

Applicant: NC Department of Public Safety

Project Desc.: Proposed project for the construction of I. Ellis Johnson Multi-Family Housing located in Laurinburg, NC. Project will consist of a 55-unit multifamily, affordable housing apartment complex with a gazebo, playground, open green space, paved parking areas, retention pond, landscaping, and associated infrastructure.

As a result of this review the following is submitted:

☒ No Comment

☐ Comments Below

☐ Documents Attached

Reviewed By: JESSICA MOSLEY

Date: 6/27/2025

Control No.: 25-E-0000-0243

Date Received: 6/4/2025

County.: SCOTLAND

Agency Response: 7/7/2025

Review Closed: 7/7/2025

ALEX JONES
CLEARINGHOUSE COORDINATOR
DEPT OF AGRICULTURE

Project Information

Type: National Environmental Policy Act ironmental Assessment

Applicant: NC Department of Public Safety

Project Desc.: Proposed project for the construction of I. Ellis Johnson Multi-Family Housing located in Laurinburg, NC. Project will consist of a 55-unit multifamily, affordable housing apartment complex with a gazebo, playground, open green space, paved parking areas, retention pond, landscaping, and associated infrastructure.

As a result of this review the following is submitted:

☒ No Comment

☐ Comments Below

☐ Documents Attached

Reviewed By: ALEX JONES

Date: 6/9/2025

FONSI/NOI-RROF

To Be Added