



**U.S. Department of Housing and Urban
Development**

451 Seventh Street, SW
Washington, DC 20410
www.hud.gov

espanol.hud.gov

Environmental Assessment Determinations and Compliance Findings for HUD-assisted Projects 24 CFR Part 58

Project Information

Project Name: Rappahannock Rapidan Community Services Property

Responsible Entity: Rappahannock Rapidan Community Services

Grant Recipient (if different than Responsible Entity):

State/Local Identifier: Orange, Virginia

Preparer: ECS Mid-Atlantic, LLC

Certifying Officer Name and Title: Jim LaGraffe – Executive Director

Grant Recipient (if different than Responsible Entity): Rappahannock Rapidan Community Services

Consultant (if applicable): ECS Mid-Atlantic, LLC

Direct Comments to:

Dex A. Sanders
Sanders Architecture
16125 Raccoon Ford Rd
Culpeper, VA 22701
540.829.2590

Project Location: The site is located at 450, 454, and 458 N. Madison Road in the Town of Orange, Virginia. The project site is identified as Parcel Number 044A3001000080 and is 1.58 acres in area. The subject site is currently improved with three structures, a two-story office and medical facility occupied by the Orange County Health Department at 450 N Madison Road; a two-story vacant former shelter at 454 N Madison Road; and, a two-story office building occupied by the Behavioral Health of Rappahannock Rapidan Community Services (RRCS) offices located at 458 N Madison Road. As discussed below, only the structures located at 454 and 458 N Madison (vacant shelter and RRCS office building) will be impacted by the proposed project. The Health Department structure at 450 N Madison Road will only be impacted indirectly by the proposed work.

Description of the Proposed Project [24 CFR 50.12 & 58.32; 40 CFR 1508.25]: The proposed project includes the demolition of the two existing structures located at 454 and 458 North Madison Road, the vacant shelter and the current RRCS offices, respectively. The project will also include the construction of a new three-story with basement, 27,660 square foot building that is proposed to contain the RRCS offices (ground level) and 21 apartment units (1st, 2nd and 3rd floors). The redevelopment of the site will also include new parking surfaces and landscaped areas.

Statement of Purpose and Need for the Proposal [40 CFR 1508.9(b)]: The proposed project will provide affordable housing in an accessible residential area of the Town of Orange, Virginia. Affordable housing remains a challenge statewide, and the proposed project is intended to provide affordable, energy efficient, and high-quality housing options for low-income residents in an area where they will have ready access to public facilities and services. The proposed project is intended to provide high quality and affordable housing options to these residents in order to alleviate housing pricing pressures on this particularly susceptible population.

Existing Conditions and Trends [24 CFR 58.40(a)]: The 1.58-acre site is currently developed with a vacant and outdated emergency shelter and the RRCS offices. The site is bound on the north by Dogwood Lane followed by Bright Side Early Care and Learning Center, on the east by N Madison Road followed by residential properties and an architectural salvage store, on the south by Beltone Hearing Aid Service, and on the west by Dogwood Lane followed by a nursing home. As reported in the Phase I ESA completed by ECS, historical research indicates the subject property was previously undeveloped land until the late 1940s when a single structure (450 North Madison Road) was constructed. 454 North Madison was constructed later in the mid- to late 1950s and can be seen on the aerial and topographic maps from that time. In the 1970s the third structure, 458 North Madison, was built. The area surrounding the subject property is generally a mixed use of commercial and residential properties and the proposed project will not serve to alter or impact that use.

Funding Information

Estimated Total HUD Funded Amount: Not Provided

Estimated Total Project Cost (HUD and non-HUD funds) [24 CFR 58.32(d)]: \$9,000,000

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 of 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"/>	The site is not located within 2,500 feet of a civil airport, as defined by HUD. The site is also not located within 15,000 feet of a military airport. NEPA Assist (Figures 4 and 5)
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"/>	The site is not located within an area of coastal barrier resources (Attachment II) and is not located within Virginia’s coastal zone. https://www.fws.gov/cbra/maps/Mapper.html
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"/>	The site is located in Zone X – Areas determined to be outside the 0.2% annual chance floodplain. FEMA Flood Plain Map 51137C0150E (Attachment III)

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>According to the National Ambient Air Quality Standards, the Site is not located in a non-attainment zone.</p> <p>Although no adverse impacts to air quality are anticipated, during construction of the project, fugitive dust will be kept to a minimum. This may include measures such as application of water to suppress dust and washing down construction vehicles and paved roadways immediately adjacent to construction areas (9VAC5-50-60 et. seq.). The proposed use will not result in the creation of a stationary emissions source or other significant air emissions. (Attachment IV)</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 site is not located in the VA Coastal Zone.</p> <p>VDEQ's Map of Virginia Coastal Zones. (Figure 6)</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>The Phase I ESA report identified an onsite concern that has the potential to impact the site. A vent pipe and fill port, indicative of a heating oil underground storage tank (UST), was observed along the southern exterior side of the vacant building located at 454 N Madison Road.</p> <p>During the planned demolition of the onsite structure, the UST will be pumped of its contents, removed from the ground, and soil samples collected for proper closure with the Department of Environmental Quality (DEQ). Residual contamination will be addressed at that time and may include removal by over excavation and disposal off-site. Following proper closure and removal of the UST in accordance with local and state regulations, this issue would not be expected to pose a risk to future occupants of the site.</p> <p>In addition, the buildings proposed for demolition shall be surveyed for asbestos containing materials and lead based paint prior to demolition so that building materials can be property characterized for disposal purposes.</p> <p>Site visit, Phase I ESA, and EDR Radius Map Report.</p>
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<p>Endangered Species</p> <p>Endangered Species Act of 1973, particularly section 7; 50 CFR Part 402</p>	<p>Yes No</p> <p><input type="checkbox"/> <input checked="" type="checkbox"/></p>	<p>ECS completed a review of the U.S. Fish and Wildlife Service's (USFWS) Information for Planning and Consultation (IPaC) database for potential Federally-listed threatened or endangered species on or near the subject property. The review of the Official Species Lists provided by USFWS indicated that one threatened species is listed as having the potential to occur at the project site: the Northern long-eared bat (NLEB). The IPaC indicates consultation with USFWS is not necessary regarding the habitat for the NLEB if tree clearing is equal to or less than 15 acres, which is the case at the proposed project (no tree clearing is proposed). As such, adverse impacts are not expected. No wetlands or other critical habitats are listed within the vicinity of the subject property.</p> <p>(Attachment V)</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 Phase I ESA Report did not indicate on-site or off-site properties with aboveground tanks or flammable storage that may pose an explosion hazard to the site.</p> <p>ECS Phase I ESA dated December, 2022.</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>A portion of the site is identified as farmland of statewide importance on the NRCS Soil Survey Website. While the soil map unit indicates farmland of statewide importance, the site itself does not meet the definition of "Farmland" for the purposes of the FPPA, as it is currently developed and committed to urban use. The remainder of the site is identified as "not prime farmland."</p> <p>(Attachment VI)</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>The site is located outside of the 100-year flood plain per FEMA maps and impacts to floodplains are not expected.</p> <p>(Attachment III)</p>

<p>Historic Preservation</p> <p>National Historic Preservation Act of 1966, particularly sections 106 and 110; 36 CFR Part 800</p>	<p>Yes No</p> <p><input type="checkbox"/> <input checked="" type="checkbox"/></p>	<p>ECS reviewed the VCRIS database system and did not identify historic properties onsite or in close vicinity of the subject site. As a result, the proposed project would not be expected to adversely impact historic resources.</p> <p>(Attachment VII)</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 site is located 105 feet from a major road (N Madison Road) and is located 2,025 feet from a railroad line. Based on the traffic information obtained from the Virginia Department of Transportation (VDOT), the US DOT Crossing Inventory Form, and the HUD online DNL calculator, the anticipated exterior noise level at the site from these noise sources is 67 dB, which is above the 65 dB acceptable threshold. While the noise source is above the HUD acceptable threshold, typical building materials will likely meet the sound attenuation requirements to reduce the exterior noise level to acceptable levels within the structure.</p> <p>(Attachment VIII).</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>The site is not located in an area identified by the USEPA as a sole source aquifer.</p> <p>(Figure 7)</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 site visit completed by ECS and the USFWS' NWI maps, no documented wetlands are located on the subject site.</p> <p>(Attachment IX)</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>There are no Wild or Scenic Rivers on or near the project site.</p> <p>(Attachment X)</p>

ENVIRONMENTAL JUSTICE		
Environmental Justice Executive Order 12898	Yes No <input type="checkbox"/> <input checked="" type="checkbox"/>	<p>According to EPA’s Environmental Justice screening tool, the site is located in an area with 29% of the population identified as low income and 32% identified as minority. The project will involve new construction of affordable housing on an underutilized property. Moreover, the EPA EJ Screen report and the Phase I ESA did not identify environmental issues in proximity of the property which would be expected to pose an environmental justice concern.</p> <p>Disproportionate environmental issues as a result of minority or low-income populations were not identified.</p> <p>(Attachment XI)</p>

Environmental Assessment Factors [24 CFR 58.40; Ref. 40 CFR 1508.8 &1508.27] 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	2	No impact expected. The proposed construction will comply with local zoning ordinances and applicable regulations, and is compatible with the land use, scaling, and urban design.
Soil Suitability/ Slope/ Erosion/	2	During the construction of the site, erosion, sediment transport, and storm water runoff may be a concern; however, all applicable

Drainage/ Storm Water Runoff		stormwater and erosion control regulations will be adhered to, and no adverse impact is anticipated.
Hazards and Nuisances including Site Safety and Noise	2	Only during construction may a concern of hazards or nuisance arise; however, to alleviate those concerns, the project will meet all requirements of the Occupational Safety and Health Administration (OSHA) and the Americans with Disabilities Act (ADA). No impact is anticipated.
Energy Consumption	2	No impact anticipated. The project will be required to undergo all appropriate reviews and approvals for connection to the local power supply system and will be constructed to meet applicable energy efficiency and building code requirements. Capacity is not expected to be a concern.

Environmental Assessment Factor	Impact Code	Impact Evaluation
SOCIOECONOMIC		
Employment and Income Patterns	2	The planned development will provide affordable housing and will not impact employment or income patterns.
Demographic Character Changes, Displacement	2	The site is currently developed with a vacant former emergency shelter and the RRCS offices. The project will provide affordable and accessible housing to low-income residents and new office space for the RRCS Mental Health program. The project will obtain all required planning and architectural review board approvals. No significant demographic changes are expected as the project is located within a developed commercial and residential area of Orange.

Environmental Assessment Factor	Impact Code	Impact Evaluation
COMMUNITY FACILITIES AND SERVICES		
Educational and Cultural Facilities	2	No impact anticipated. The project will not induce significant population growth but rather provide affordable housing options to residents. Additional educational or cultural facilities are not needed.
Commercial Facilities	2	No impact anticipated. The project will not adversely impact nearby existing commercial facilities and may provide additional potential customers for nearby commercial businesses.
Health Care and Social Services	2	No impact anticipated. The project will not induce significant population growth but rather provide affordable housing. Expanding healthcare or social services is not needed as local resources are capable of providing these services to the local population
Solid Waste Disposal / Recycling	2	No impact anticipated. Local contracting and trash removal services will have capacity to service the proposed development.
Waste Water / Sanitary Sewers	2	No impact anticipated. The project will be required to undergo all appropriate reviews and approvals for connection to the local sanitary sewer system. Capacity is not expected to be a concern.
Water Supply	2	No impact anticipated. The project will be required to undergo all appropriate reviews and approvals for connection to the local water supply system. Capacity is not expected to be a concern.

Public Safety - Police, Fire and Emergency Medical	2	No impact anticipated. The project will not induce population growth given the low number of units proposed, but rather provide affordable housing for local residents. Therefore, the project will neither require additional public facilities, police, fire, emergency medical service nor impact existing conditions. The Orange Police Department is located 1.4 miles from the site (5 minutes), Orange Volunteer Fire Company is located 1 mile from the site (3 minutes).
Parks, Open Space and Recreation	2	No impact anticipated. The land is not open space, park or recreational space. Veteran's Park is located approximately 0.8 miles (3 minutes) south of the subject site.
Transportation and Accessibility	2	No impact anticipated. The project will not induce significant population growth given the proposed size of the development, but rather provide affordable housing. The site is in a residential area of Orange County with adequate access roads. Several bus stops are located along Spicers Mill Road located approximately 0.2 miles (4 minutes) south of the site and along Dogwood Lane approximately 0.1 miles (3 minutes) north. As a result, current and future residents will have ready access to public transportation.

Environmental Assessment Factor	Impact Code	Impact Evaluation
NATURAL FEATURES		
Unique Natural Features, Water Resources	2	No impact is anticipated. The project is currently developed with a vacant emergency shelter and the RRCS offices. The land/area is not designated as unique or other ecologically significant designation and is not documented endangered species habitat. The proposed construction will comply with all applicable development, E&S, and stormwater management regulations.
Vegetation, Wildlife	2	No impact anticipated. The site is not believed to be suitable habitat for federally threatened or endangered species and is not listed as containing critical habitats. As such, significant impacts to vegetation and wildlife resources are not expected.
Other Factors	NA	

Additional Studies Performed:

Phase I ESA report completed by ECS Mid-Atlantic, LLC (ECS) dated December, 2022

Field Inspection (Date and completed by):

November 7, 2022 completed by ECS Mid-Atlantic, LLC

List of Sources, Agencies and Persons Consulted [40 CFR 1508.9(b)]:

Orange County – ParcelViewer	HUD DNL Noise Calculator
NEPA Assist	US DOT Crossing Inventory Form
Google Earth Aerial Photographs	VDOT – Annual Average Traffic Volume Estimates
FEMA Flood Plain Map	EPA – Sole Source Aquifers Mapping System
EPA Green Book: Nonattainment Areas for Criteria Pollutants	US Fish and Wildlife Services – Wetland Mapper
VA DCR	National Park Service - National Wild and Scenic Rivers System
US Fish and Wildlife Services – Threatened and Endangered Species Virginia	EPA Environmental Justice Screening
USDA	
NRCS Soil Survey	
US Census Data	

List of Permits Obtained:

The property will obtain all applicable permits prior to construction including building permits, E&S permits, and construction permits. Wetland impact permits are not anticipated to be required.

Public Outreach [24 CFR 50.23 & 58.43]:

No formal public outreach is planned or scheduled at this time as the proposed project is not believed to be controversial.

Cumulative Impact Analysis [24 CFR 58.32]:

Impacts are negligible and a cumulative analysis has not been conducted as any single impact is not considered adverse or significant.

Alternatives [24 CFR 58.40(e); 40 CFR 1508.9]

Only two possible courses of action were considered: (1) implement project or (2) the no action alternative.

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

The “no action alternative” would not provide benefits to the human environment. The proposed project will provide affordable and accessible housing to vulnerable low-income populations with negligible environmental impacts. Based on the information provided above, there are no significant adverse environmental or social impacts expected and the no action alternative would not accomplish the project objective.

Summary of Findings and Conclusions:

The proposed project will provide updated and affordable housing to low-income citizens of the Town of Orange. Based on the information provided above, there are no adverse environmental or social impacts expected. As such, the project as proposed will have no significant impacts.

Mitigation Measures and Conditions [40 CFR 1505.2(c)]

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.

Based on the findings of this review, the following mitigation measures are warranted for the proposed project:

1. In accordance with local, state, and federal regulations, the structures on the property proposed for demolition or renovations should be surveyed for the presence of asbestos and lead based paint by an appropriately licensed inspection prior to demolition.
2. The heating oil UST identified on the site shall be properly closed in accordance with local and state regulations and significantly impacted soil discovered during removal, if any, shall be properly characterized and disposed of off-site at a properly permitted facility.

Determination:

Finding of No Significant Impact [24 CFR 58.40(g)(1); 40 CFR 1508.27]

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); 40 CFR 1508.27]

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

Preparer Signature: Alexandra Moon Date: 12/15/22

Name/Title/Organization: Alexandra Moon, Senior Project Manager

ECS Mid-Atlantic, LLC

Certifying Officer Signature: _____ Date: _____

Name/Title: _____

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 I - Figures

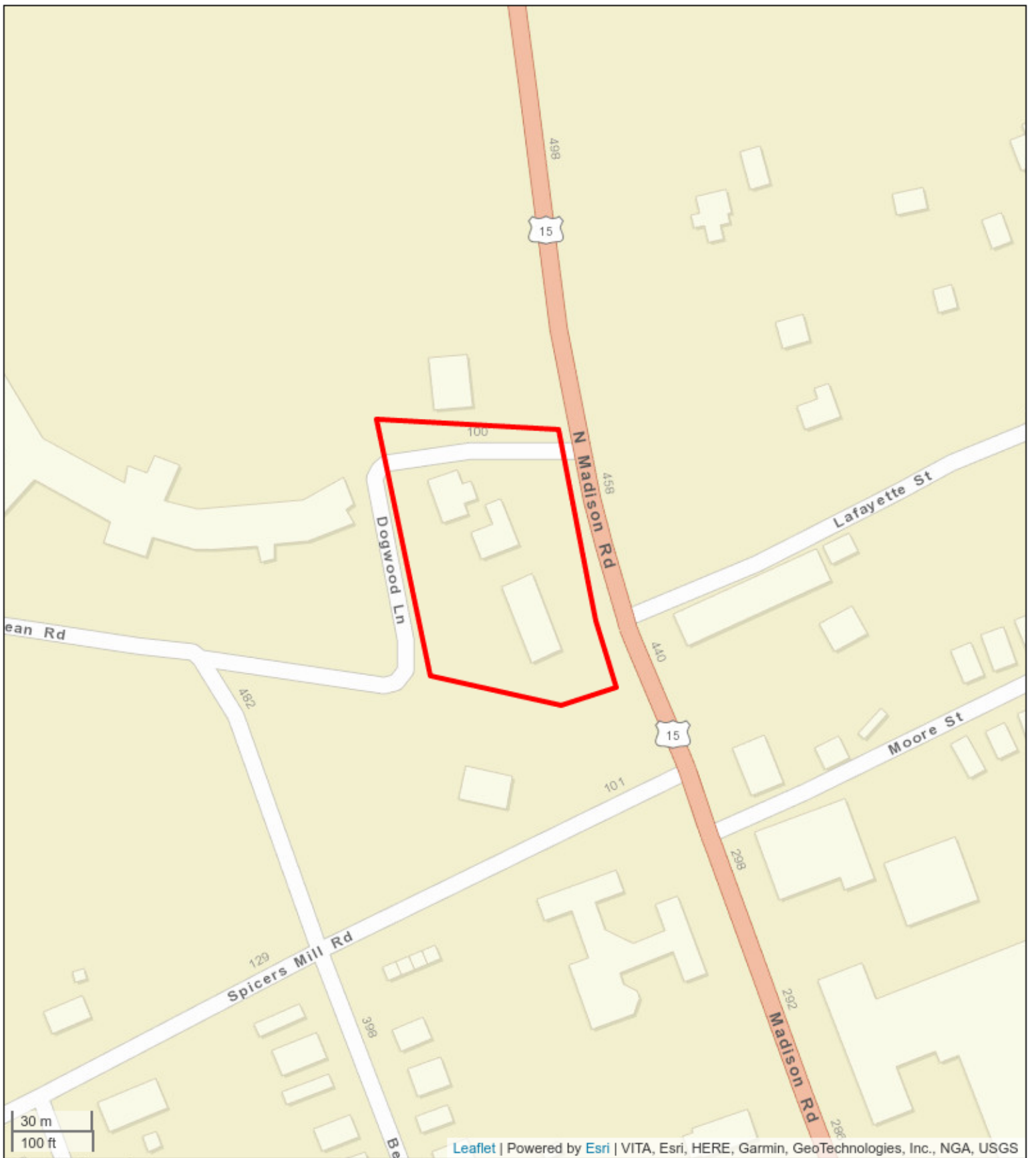


Figure 1- Site Location Map

Rappahannock Rapidan Community Services Property
450, 454, and 458 N Madison Road
Orange, Virginia 22960
ECS Project No. 47:15653



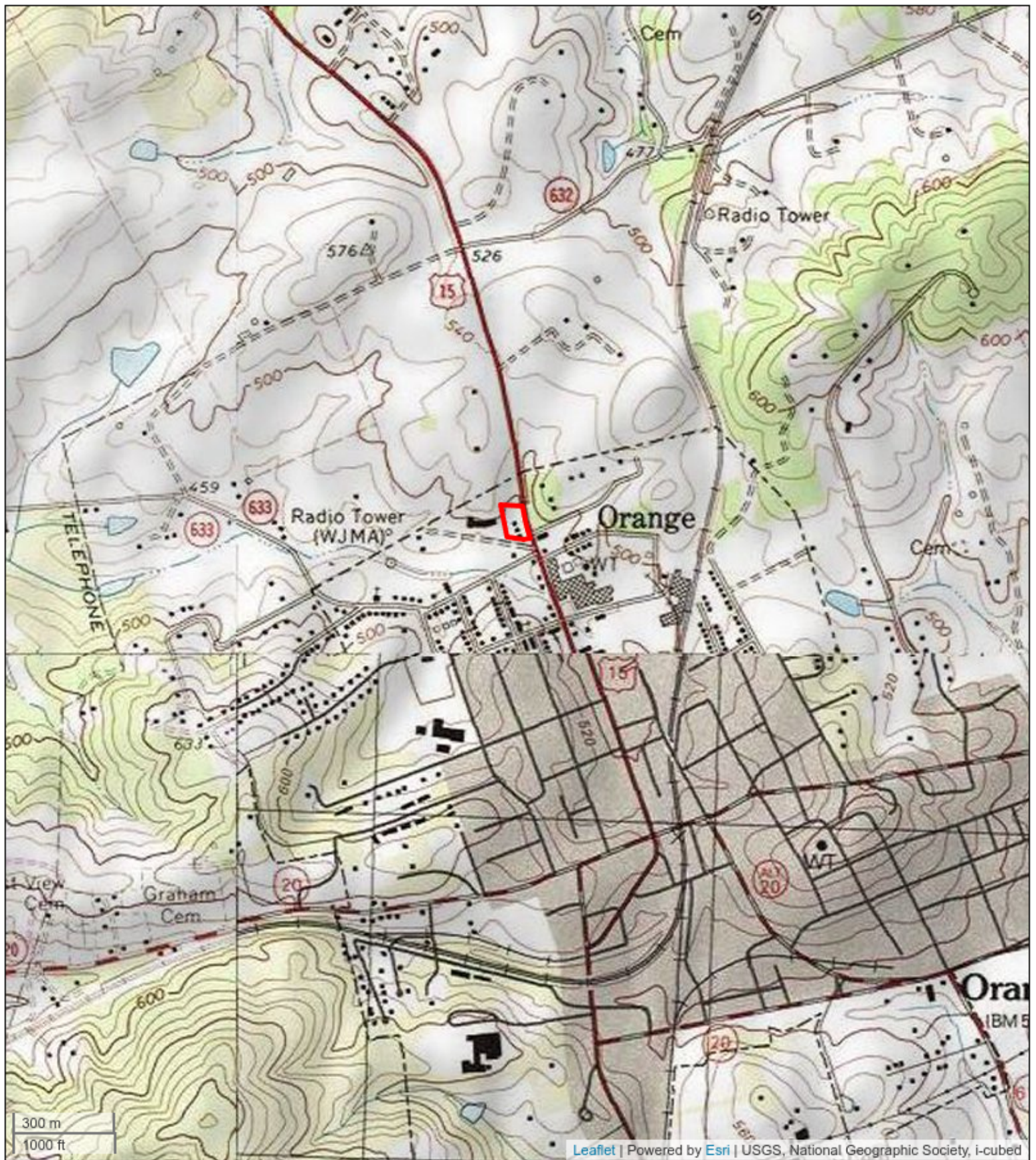


Figure 2- USGS Topographic Map

Rappahannock Rapidan Community Services Property
 450, 454, and 458 N Madison Road
 Orange, Virginia 22960
 ECS Project No. 47:15653

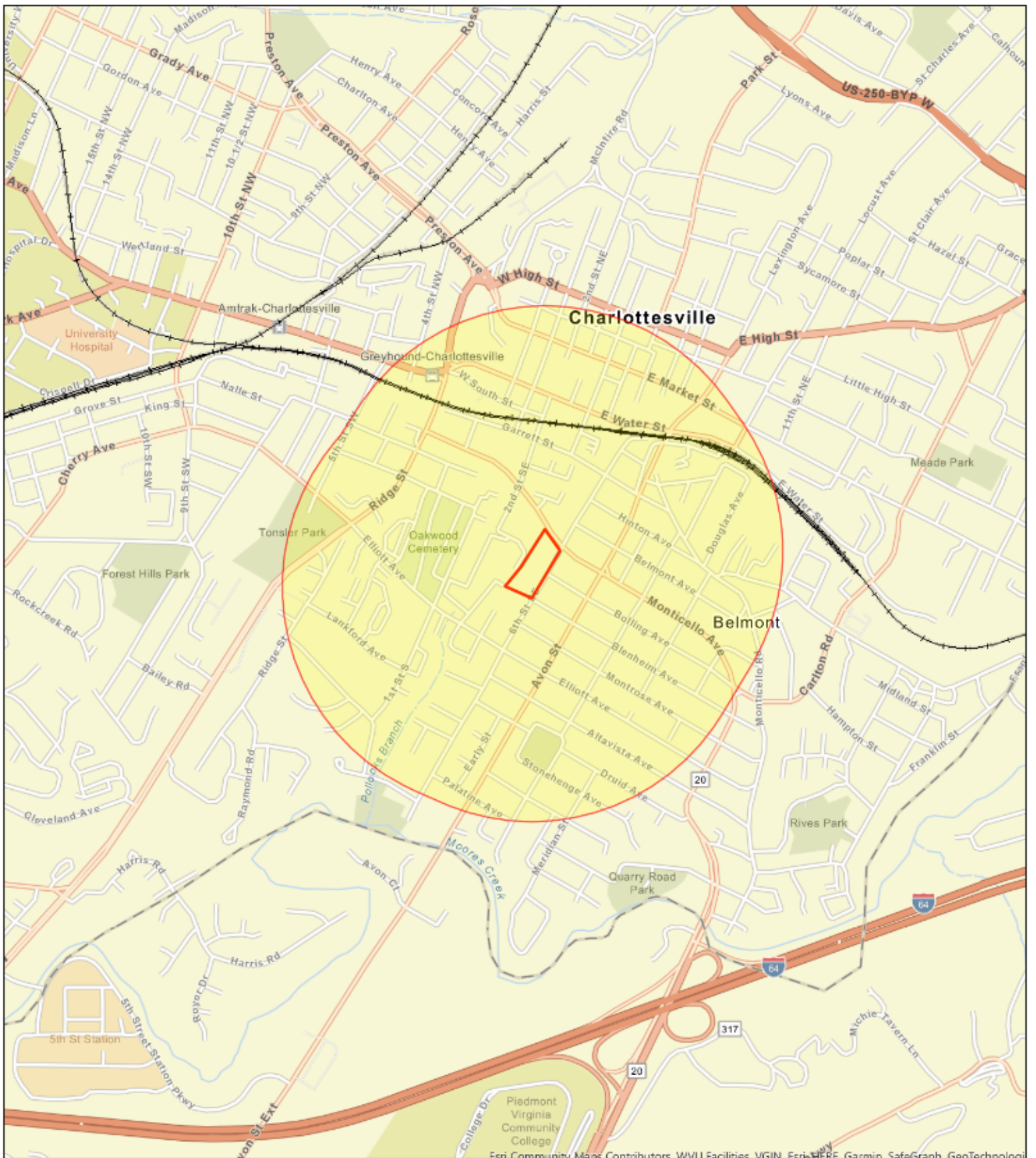




Figure 3 - Aerial Detail Map

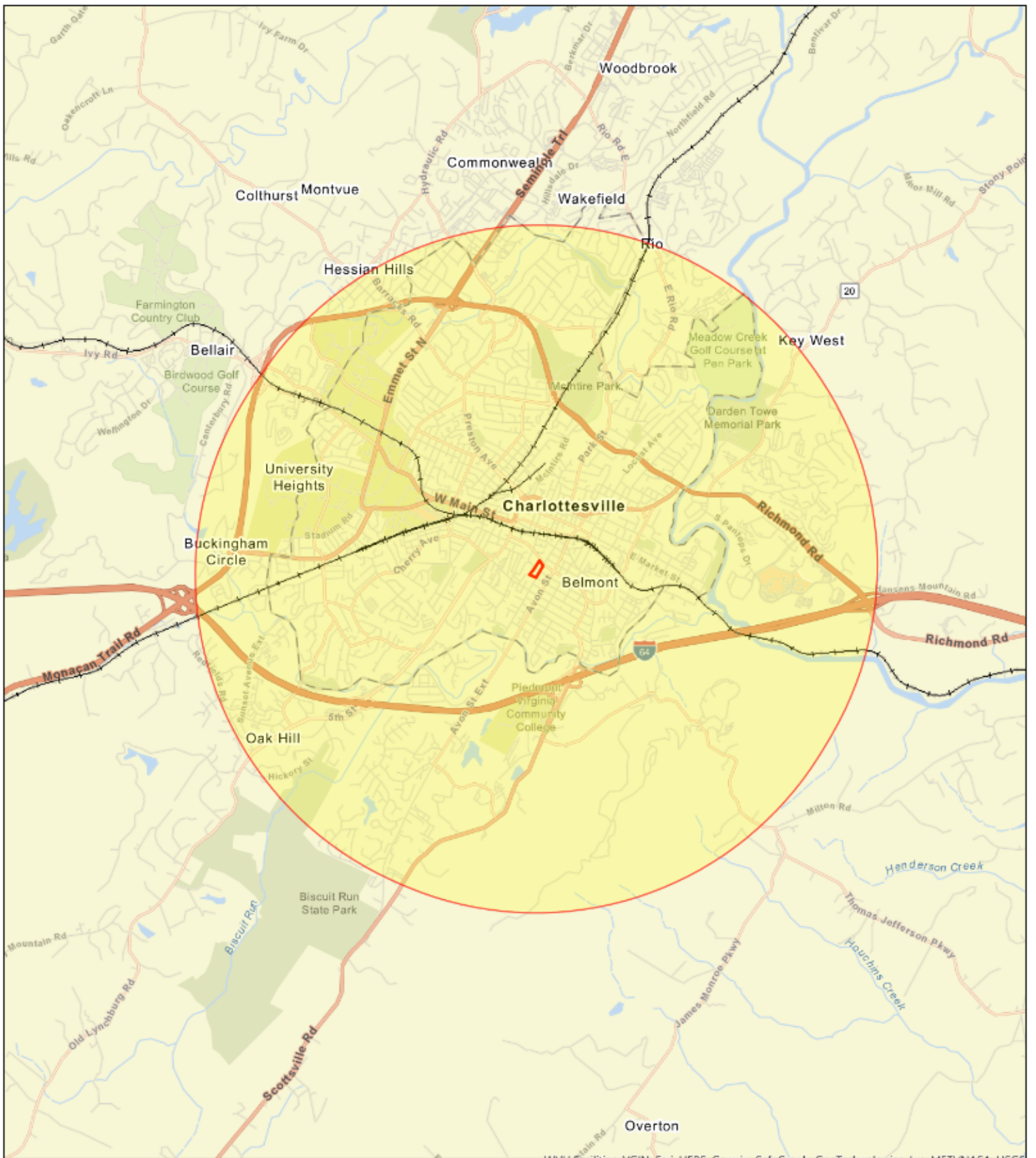
Rappahannock Rapidan Community Services Property
450, 454, and 458 N Madison Road
Orange, Virginia 22960
ECS Project No. 47:15653





2500
 Rappahannock Rapidan Community Services Property
 450, 454, and 458 N Madison Road
 Orange, Virginia 22960





15000

Rappahannock Rapidan Community Services Property
 450, 454, and 458 N Madison Road
 Orange, Virginia 22960



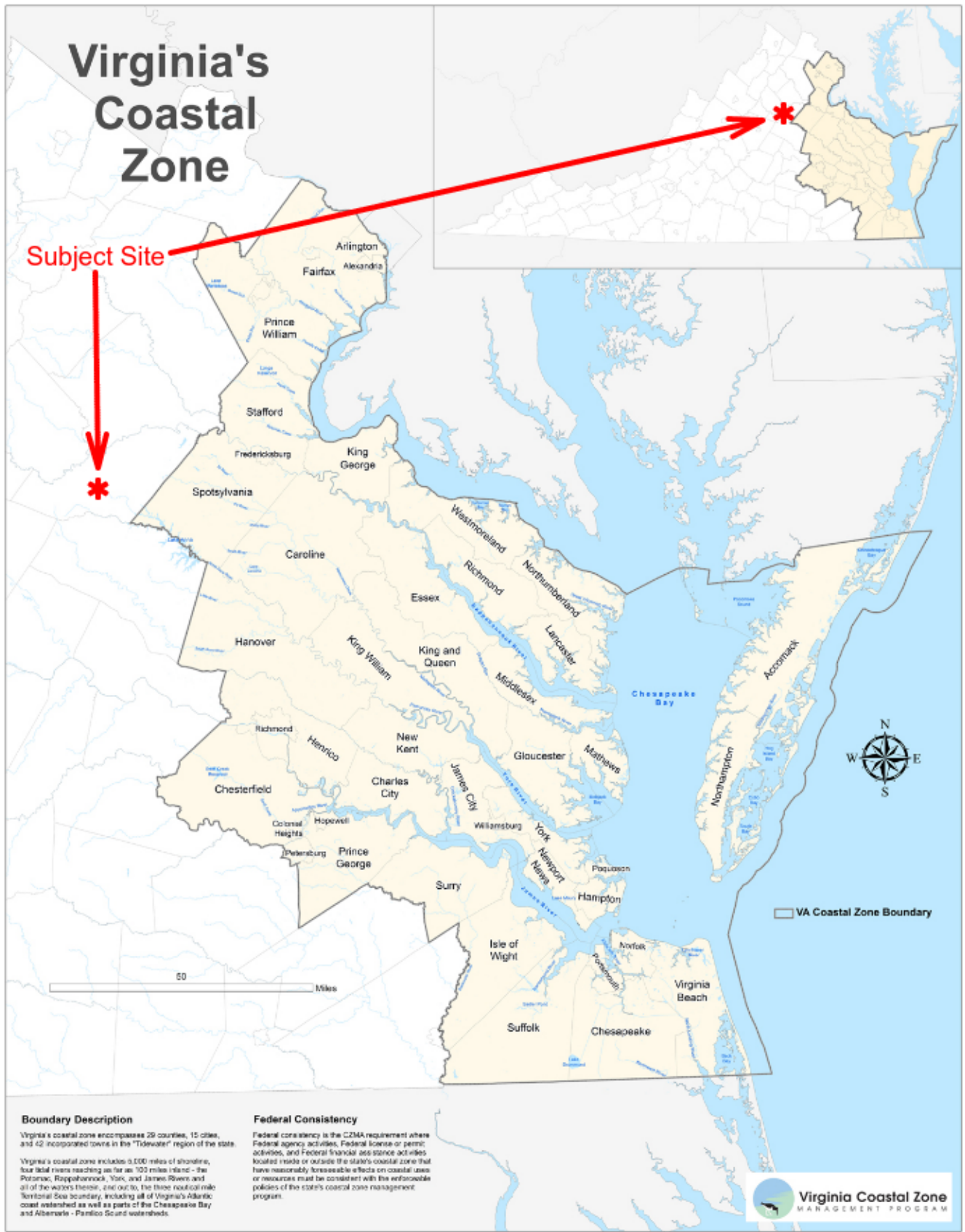


Figure 6 - Coastal Zone

Rappahannock Rapidan Community Services Property

450, 454, and 458 N Madison Road

Orange, Virginia 22960

ECS Project No. 47:15653



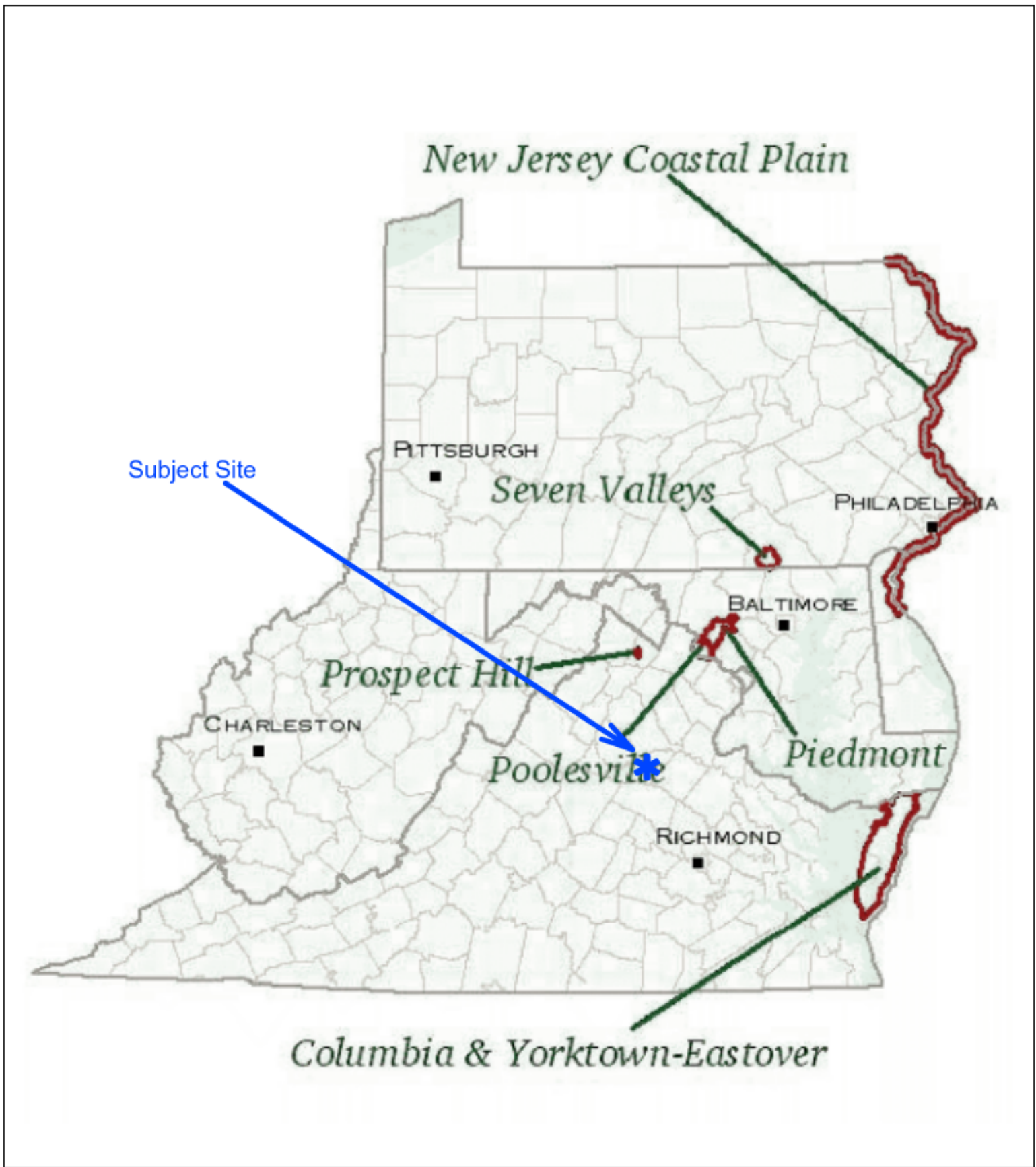


Figure 7 - Sole Source Aquifer

Rappahannock Rapidan Community Services Property
450, 454, and 458 N Madison Road
Orange, Virginia 22960
ECS Project No. 47:15653




ATTACHMENT II - Coastal Barrier Resources



November 3, 2022

 CBRS Buffer Zone
  System Unit

CBRS Units

 Otherwise Protected Area

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/cbra/maps/index.html>. 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 (<http://www.fws.gov/cbra/Determinations.html>) 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 extent of the units is not shown in the CBRS mapper.

ATTACHMENT III - Flood Insurance Rate Map

National Flood Hazard Layer FIRMMette



78°7'14"W 38°15'26"N



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
OTHER FEATURES		Coastal Transect Baseline
		Profile Baseline
		Hydrographic Feature

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 **11/3/2022 at 3:13 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.

ATTACHMENT IV - Clean Air



You are here: EPA Home > Green Book > Current Nonattainment Counties for All Criteria Pollutants

Current Nonattainment Counties for All Criteria Pollutants

Data is current as of October 31, 2022

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 asterisk (*) indicates only a portion of the county is included in the designated nonattainment area (NA).

Download National Dataset of all designated areas (currently nonattainment, maintenance, revoked):

[dbf](#) | [xls](#) | [Data dictionary \(PDF\)](#)

Listed by State, County, NAAQS * Part County NA NA Area Name
(Classification, if applicable)

ALASKA

Fairbanks North Star Borough

PM-2.5 (2006) *Fairbanks, AK - (Serious)

ARIZONA

Cochise County

PM-10 (1987) *Cochise County; Paul Spur/Douglas planning area, AZ - (Moderate)

Gila County

Lead (2008) *Hayden, AZ

PM-10 (1987) *Hayden, AZ - (Moderate)

PM-10 (1987) *Miami, AZ - (Moderate)

Sulfur Dioxide (2010) *Hayden, AZ

Sulfur Dioxide (2010) *Miami, AZ

8-Hour Ozone (2015) *Phoenix-Mesa, AZ - (Marginal)

Maricopa County

PM-10 (1987) *Maricopa and Pinal Counties; Phoenix planning area, AZ - (Serious)

8-Hour Ozone (2008) *Phoenix-Mesa, AZ - (Moderate)

8-Hour Ozone (2015) *Phoenix-Mesa, AZ - (Marginal)

Pima County

PM-10 (1987) *Pima County; Rillito planning area, AZ - (Moderate)

Pinal County

Lead (2008) *Hayden, AZ

PM-10 (1987) *Hayden, AZ - (Moderate)

PM-10 (1987) *Maricopa and Pinal Counties; Phoenix planning area, AZ - (Serious)

PM-10 (1987) *Miami, AZ - (Moderate)

PM-10 (1987) *Pinal County (part); West Pinal, AZ - (Serious)

PM-2.5 (2006) *West Central Pinal, AZ - (Moderate)

Sulfur Dioxide (1971) *Hayden (Pinal County), AZ

Sulfur Dioxide (2010) *Hayden, AZ

Duchesne County
8-Hour Ozone (2015) *Uinta Basin, UT - (Marginal)

Salt Lake County
PM-2.5 (2006) Salt Lake City, UT - (Serious)
Sulfur Dioxide (1971) Salt Lake County, UT
8-Hour Ozone (2015) Northern Wasatch Front, UT - (Marginal)

Tooele County
PM-2.5 (2006) *Salt Lake City, UT - (Serious)
Sulfur Dioxide (1971) *Tooele County, UT
8-Hour Ozone (2015) *Northern Wasatch Front, UT - (Marginal)

Uintah County
8-Hour Ozone (2015) *Uinta Basin, UT - (Marginal)

Utah County
PM-2.5 (2006) *Provo, UT - (Serious)
8-Hour Ozone (2015) *Southern Wasatch Front, UT - (Marginal)

Weber County
PM-2.5 (2006) *Salt Lake City, UT - (Serious)
8-Hour Ozone (2015) *Northern Wasatch Front, UT - (Marginal)

VIRGINIA

Alexandria city
8-Hour Ozone (2015) Washington, DC-MD-VA - (Marginal)

Arlington County
8-Hour Ozone (2015) Washington, DC-MD-VA - (Marginal)

Fairfax County
8-Hour Ozone (2015) Washington, DC-MD-VA - (Marginal)

Fairfax city
8-Hour Ozone (2015) Washington, DC-MD-VA - (Marginal)

Falls Church city
8-Hour Ozone (2015) Washington, DC-MD-VA - (Marginal)

Giles County
Sulfur Dioxide (2010) *Giles County, VA

Loudoun County
8-Hour Ozone (2015) Washington, DC-MD-VA - (Marginal)

Manassas Park city
8-Hour Ozone (2015) Washington, DC-MD-VA - (Marginal)

Manassas city
8-Hour Ozone (2015) Washington, DC-MD-VA - (Marginal)

Prince William County
8-Hour Ozone (2015) Washington, DC-MD-VA - (Marginal)

WASHINGTON

Whatcom County
Sulfur Dioxide (2010) *Whatcom County, WA

WISCONSIN

Kenosha County
8-Hour Ozone (2015) *Chicago, IL-IN-WI - (Marginal)

Milwaukee County
8-Hour Ozone (2015) Milwaukee, WI - (Marginal)

Ozaukee County
8-Hour Ozone (2015) Milwaukee, WI - (Marginal)

Racine County
8-Hour Ozone (2015) *Milwaukee, WI - (Marginal)

Sheboygan County
8-Hour Ozone (2015) *Sheboygan County, WI - (Marginal)

Washington County
8-Hour Ozone (2015) *Milwaukee, WI - (Marginal)

Waukesha County
8-Hour Ozone (2015) *Milwaukee, WI - (Marginal)

WYOMING

Lincoln County
8-Hour Ozone (2008) *Upper Green River Basin Area, WY - (Marginal)

Sublette County

ATTACHMENT V - Endangered Species



United States Department of the Interior



FISH AND WILDLIFE SERVICE
Virginia Ecological Services Field Office
6669 Short Lane
Gloucester, VA 23061-4410
Phone: (804) 693-6694 Fax: (804) 693-9032

In Reply Refer To:
Project Code: 2023-0012261
Project Name: RRCS Redevelopment

November 03, 2022

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

To Whom It May Concern:

The enclosed species list identifies threatened, endangered, proposed and candidate species, as well as proposed and final designated critical habitat, that may occur within the boundary of your proposed project and/or may be affected by your proposed project. The species list fulfills the requirements of the U.S. Fish and Wildlife Service (Service) under section 7(c) of the Endangered Species Act (Act) of 1973, as amended (16 U.S.C. 1531 *et seq.*). Any activity proposed on National Wildlife Refuge lands must undergo a 'Compatibility Determination' conducted by the Refuge. Please contact the individual Refuges to discuss any questions or concerns.

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

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

A Biological Assessment is required for construction projects (or other undertakings having similar physical impacts) that are major Federal actions significantly affecting the quality of the human environment as defined in the National Environmental Policy Act (42 U.S.C. 4332(2)(c)). For projects other than major construction activities, the Service suggests that a biological evaluation similar to a Biological Assessment be prepared to determine whether the project may affect listed or proposed species and/or designated or proposed critical habitat. Recommended contents of a Biological Assessment are described at 50 CFR 402.12.

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

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

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

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

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

We appreciate your concern for threatened and endangered species. The Service encourages Federal agencies to include conservation of threatened and endangered species into their project planning to further the purposes of the Act. Please include the Project 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
- 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:

Virginia Ecological Services Field Office

6669 Short Lane

Gloucester, VA 23061-4410

(804) 693-6694

Project Summary

Project Code: 2023-0012261

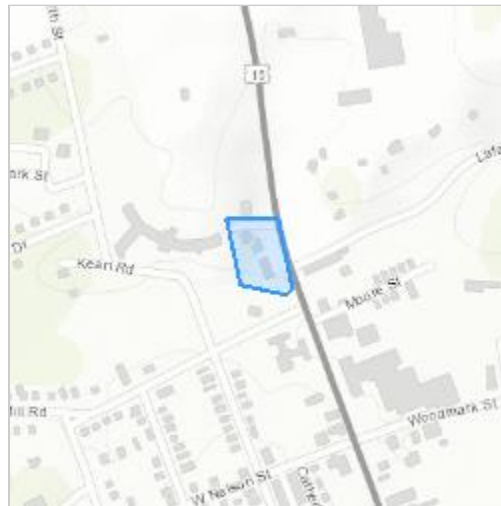
Project Name: RRCS Redevelopment

Project Type: Residential Construction

Project Description: The proposed project includes the demolition of two existing structures located at 454 and 458 North Madison Road, a vacant shelter and the current Rappahannock Rapidan Community Services (RRCS) offices, respectively. The project will also include the construction of a new three-story, 20,004 square foot building that is proposed to contain the RRCS offices (1st Floor) and 20 apartment units (2nd and 3rd floors).

Project Location:

Approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/@38.25350915,-78.11540224347868,14z>



Counties: Orange County, Virginia

Endangered Species Act Species

There is a total of 2 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
Northern Long-eared Bat <i>Myotis septentrionalis</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/9045	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

Critical habitats

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

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.

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 habitats should follow appropriate regulations and consider implementing appropriate conservation measures, as described [below](#).

-
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)

The birds listed below are birds of particular concern either because they occur on the [USFWS Birds of Conservation Concern \(BCC\) list](#) or warrant special attention in your project location. To learn more about the levels of concern for birds on your list and how this list is generated, see the FAQ [below](#). This is not a list of every bird you may find in this location, nor a guarantee that every bird on this list will be found in your project area. To see exact locations of where birders and the general public have sighted birds in and around your project area, visit the [E-bird data mapping tool](#) (Tip: enter your location, desired date range and a species on your list). For projects that occur off the Atlantic Coast, additional maps and models detailing the relative occurrence and abundance of bird species on your list are available. Links to additional information about Atlantic Coast birds, and other important information about your migratory bird list, including how to properly interpret and use your migratory bird report, can be found [below](#).

For guidance on when to schedule activities or implement avoidance and minimization measures to reduce impacts to migratory birds on your list, click on the PROBABILITY OF PRESENCE SUMMARY at the top of your list to see when these birds are most likely to be present and breeding in your project area.

NAME	BREEDING SEASON
Bald Eagle <i>Haliaeetus leucocephalus</i> This is not a Bird of Conservation Concern (BCC) in this area, but warrants attention because of the Eagle Act or for potential susceptibilities in offshore areas from certain types of development or activities.	Breeds Sep 1 to Jul 31
Chimney Swift <i>Chaetura pelagica</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.	Breeds Mar 15 to Aug 25
Prairie Warbler <i>Dendroica discolor</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.	Breeds May 1 to Jul 31

NAME	BREEDING SEASON
Red-headed Woodpecker <i>Melanerpes erythrocephalus</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.	Breeds May 10 to Sep 10
Wood Thrush <i>Hylocichla mustelina</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.	Breeds May 10 to Aug 31

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 and understand the FAQ "Proper Interpretation and Use of Your Migratory Bird Report" before using or attempting to interpret this report.

Probability of Presence (■)

Each green bar represents the bird's relative probability of presence in the 10km grid cell(s) your project overlaps during a particular week of the year. (A year is represented as 12 4-week months.) A taller bar indicates a higher probability of species presence. The survey effort (see below) can be used to establish a level of confidence in the presence score. One can have higher confidence in the presence score if the corresponding survey effort is also high.

How is the probability of presence score calculated? The calculation is done in three steps:

1. The probability of presence for each week is calculated as the number of survey events in the week where the species was detected divided by the total number of survey events for that week. For example, if in week 12 there were 20 survey events and the Spotted Towhee was found in 5 of them, the probability of presence of the Spotted Towhee in week 12 is 0.25.
2. To properly present the pattern of presence across the year, the relative probability of presence is calculated. This is the probability of presence divided by the maximum probability of presence across all weeks. For example, imagine the probability of presence in week 20 for the Spotted Towhee is 0.05, and that the probability of presence at week 12 (0.25) is the maximum of any week of the year. The relative probability of presence on week 12 is $0.25/0.25 = 1$; at week 20 it is $0.05/0.25 = 0.2$.
3. The relative probability of presence calculated in the previous step undergoes a statistical conversion so that all possible values fall between 0 and 10, inclusive. This is the probability of presence score.

Breeding Season (■)

Yellow bars denote a very liberal estimate of the time-frame inside which the bird breeds across its entire range. If there are no yellow bars shown for a bird, it does not breed in your project area.

Survey Effort (|)

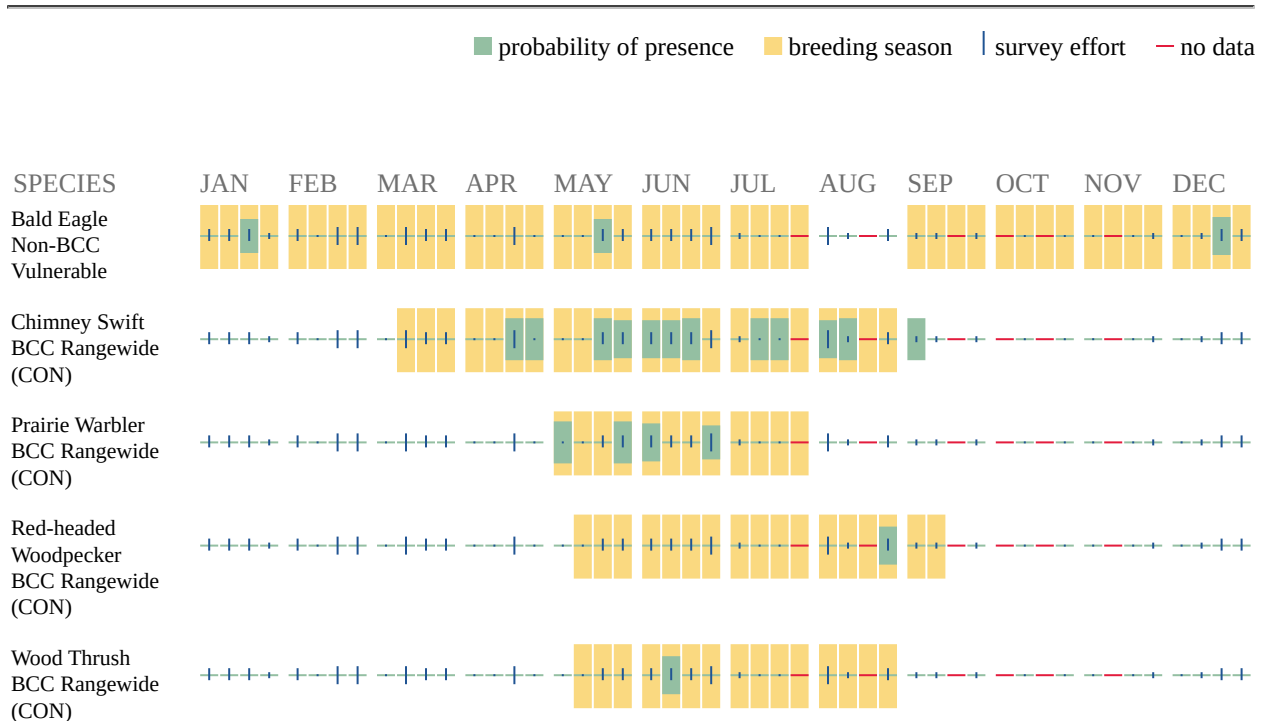
Vertical black lines superimposed on probability of presence bars indicate the number of surveys performed for that species in the 10km grid cell(s) your project area overlaps. The number of surveys is expressed as a range, for example, 33 to 64 surveys.

No Data (-)

A week is marked as having no data if there were no survey events for that week.

Survey Timeframe

Surveys from only the last 10 years are used in order to ensure delivery of currently relevant information. The exception to this is areas off the Atlantic coast, where bird returns are based on all years of available data, since data in these areas is currently much more sparse.



Additional information can be found using the following links:

- Birds of Conservation Concern <https://www.fws.gov/program/migratory-birds/species>
- Measures for avoiding and minimizing impacts to birds <https://www.fws.gov/library/collections/avoiding-and-minimizing-incident-take-migratory-birds>
- Nationwide conservation measures for birds <https://www.fws.gov/sites/default/files/documents/nationwide-standard-conservation-measures.pdf>

Migratory Birds FAQ

Tell me more about conservation measures I can implement to avoid or minimize impacts to migratory birds.

[Nationwide Conservation Measures](#) describes measures that can help avoid and minimize impacts to all birds at any location year round. Implementation of these measures is particularly important when birds are most likely to occur in the project area. When birds may be breeding in the area, identifying the locations of any active nests and avoiding their destruction is a very helpful impact minimization measure. To see when birds are most likely to occur and be breeding in your project area, view the Probability of Presence Summary. [Additional measures](#) or [permits](#) may be advisable depending on the type of activity you are conducting and the type of infrastructure or bird species present on your project site.

What does IPaC use to generate the list of migratory birds that potentially occur in my specified location?

The Migratory Bird Resource List is comprised of USFWS [Birds of Conservation Concern \(BCC\)](#) and other species that may warrant special attention in your project location.

The migratory bird list generated for your project is derived from data provided by the [Avian Knowledge Network \(AKN\)](#). The AKN data is based on a growing collection of [survey, banding, and citizen science datasets](#) and is queried and filtered to return a list of those birds reported as occurring in the 10km grid cell(s) which your project intersects, and that have been identified as warranting special attention because they are a BCC species in that area, an eagle ([Eagle Act](#) requirements may apply), or a species that has a particular vulnerability to offshore activities or development.

Again, the Migratory Bird Resource list includes only a subset of birds that may occur in your project area. It is not representative of all birds that may occur in your project area. To get a list of all birds potentially present in your project area, please visit the [Rapid Avian Information Locator \(RAIL\) Tool](#).

What does IPaC use to generate the probability of presence graphs for the migratory birds potentially occurring in my specified location?

The probability of presence graphs associated with your migratory bird list are based on data provided by the [Avian Knowledge Network \(AKN\)](#). This data is derived from a growing collection of [survey, banding, and citizen science datasets](#).

Probability of presence data is continuously being updated as new and better information becomes available. To learn more about how the probability of presence graphs are produced and how to interpret them, go the Probability of Presence Summary and then click on the "Tell me about these graphs" link.

How do I know if a bird is breeding, wintering or migrating in my area?

To see what part of a particular bird's range your project area falls within (i.e. breeding, wintering, migrating or year-round), you may query your location using the [RAIL Tool](#) and look at the range maps provided for birds in your area at the bottom of the profiles provided for each bird in your results. If a bird on your migratory bird species list has a breeding season associated with it, if that bird does occur in your project area, there may be nests present at some point within the timeframe specified. If "Breeds elsewhere" is indicated, then the bird likely does not breed in your project area.

What are the levels of concern for migratory birds?

Migratory birds delivered through IPaC fall into the following distinct categories of concern:

1. "BCC Rangewide" birds are [Birds of Conservation Concern](#) (BCC) that are of concern throughout their range anywhere within the USA (including Hawaii, the Pacific Islands, Puerto Rico, and the Virgin Islands);
2. "BCC - BCR" birds are BCCs that are of concern only in particular Bird Conservation Regions (BCRs) in the continental USA; and
3. "Non-BCC - Vulnerable" birds are not BCC species in your project area, but appear on your list either because of the [Eagle Act](#) requirements (for eagles) or (for non-eagles) potential susceptibilities in offshore areas from certain types of development or activities (e.g. offshore energy development or longline fishing).

Although it is important to try to avoid and minimize impacts to all birds, efforts should be made, in particular, to avoid and minimize impacts to the birds on this list, especially eagles and BCC species of rangewide concern. For more information on conservation measures you can implement to help avoid and minimize migratory bird impacts and requirements for eagles, please see the FAQs for these topics.

Details about birds that are potentially affected by offshore projects

For additional details about the relative occurrence and abundance of both individual bird species and groups of bird species within your project area off the Atlantic Coast, please visit the [Northeast Ocean Data Portal](#). The Portal also offers data and information about other taxa besides birds that may be helpful to you in your project review. Alternately, you may download the bird model results files underlying the portal maps through the [NOAA NCCOS Integrative Statistical Modeling and Predictive Mapping of Marine Bird Distributions and Abundance on the Atlantic Outer Continental Shelf](#) project webpage.

Bird tracking data can also provide additional details about occurrence and habitat use throughout the year, including migration. Models relying on survey data may not include this information. For additional information on marine bird tracking data, see the [Diving Bird Study](#) and the [nanotag studies](#) or contact [Caleb Spiegel](#) or [Pam Loring](#).

What if I have eagles on my list?

If your project has the potential to disturb or kill eagles, you may need to [obtain a permit](#) to avoid violating the Eagle Act should such impacts occur.

Proper Interpretation and Use of Your Migratory Bird Report

The migratory bird list generated is not a list of all birds in your project area, only a subset of birds of priority concern. To learn more about how your list is generated, and see options for identifying what other birds may be in your project area, please see the FAQ "What does IPaC use to generate the migratory birds potentially occurring in my specified location". Please be aware this report provides the "probability of presence" of birds within the 10 km grid cell(s) that overlap your project; not your exact project footprint. On the graphs provided, please also look carefully at the survey effort (indicated by the black vertical bar) and for the existence of the "no data" indicator (a red horizontal bar). A high survey effort is the key component. If the survey effort is high, then the probability of presence score can be viewed as more dependable. In contrast, a low survey effort bar or no data bar means a lack of data and, therefore, a lack of

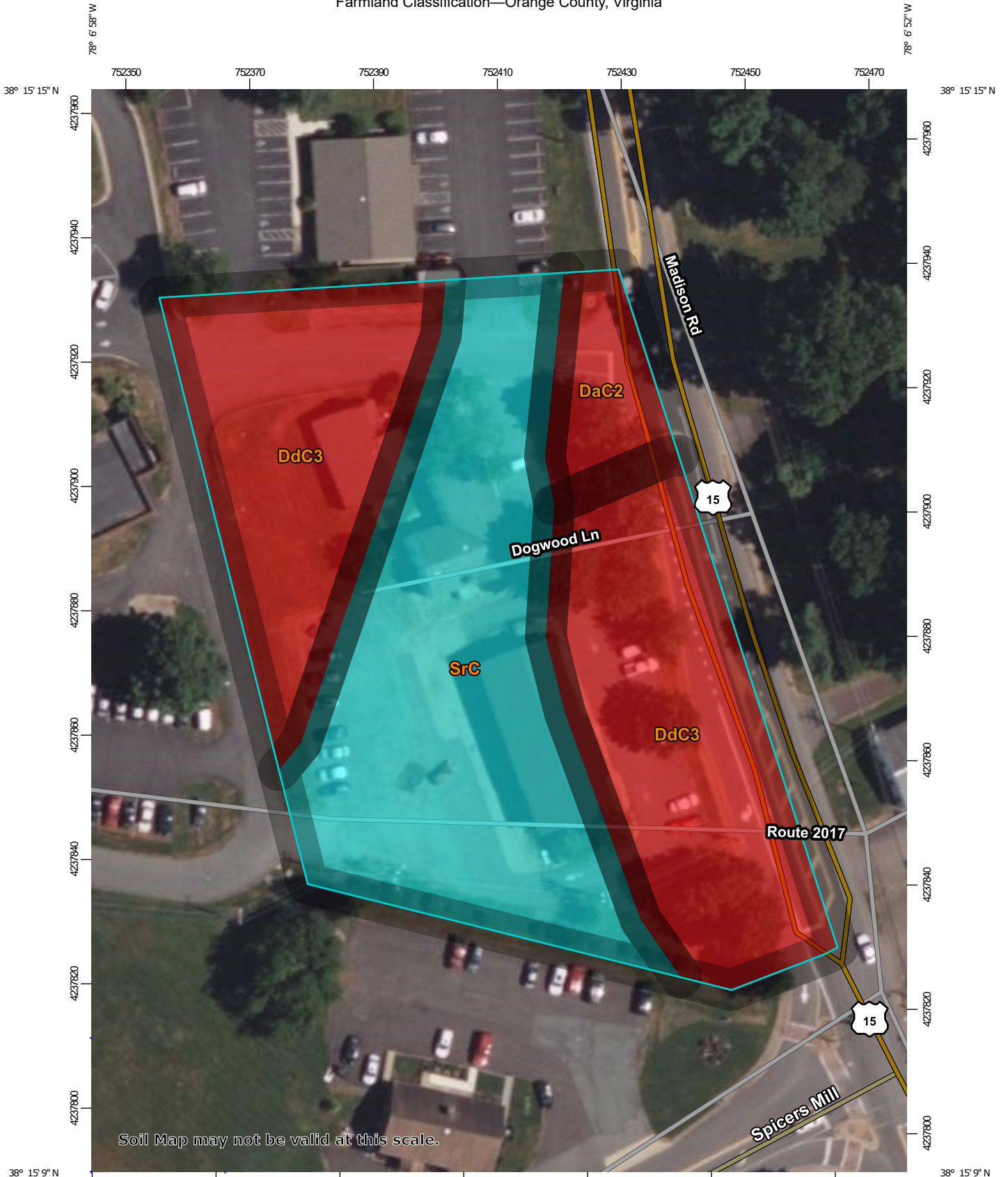
certainty about presence of the species. This list is not perfect; it is simply a starting point for identifying what birds of concern have the potential to be in your project area, when they might be there, and if they might be breeding (which means nests might be present). The list helps you know what to look for to confirm presence, and helps guide you in knowing when to implement conservation measures to avoid or minimize potential impacts from your project activities, should presence be confirmed. To learn more about conservation measures, visit the FAQ "Tell me about conservation measures I can implement to avoid or minimize impacts to migratory birds" at the bottom of your migratory bird trust resources page.

IPaC User Contact Information

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Name: Alexandra Moon
Address: 7670 Enon Drive
Address Line 2: Suite 101
City: Roanoke
State: VA
Zip: 24019
Email: amoon@ecslimited.com
Phone: 5403622000

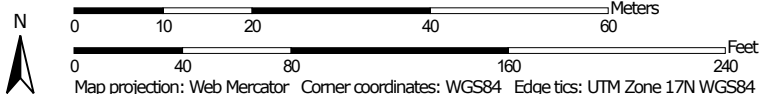
ATTACHMENT VI - Farmland Protection

Farmland Classification—Orange County, Virginia



Soil Map may not be valid at this scale.

Map Scale: 1:849 if printed on A portrait (8.5" x 11") sheet.



Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 17N WGS84




Natural Resources Conservation Service

Web Soil Survey National Cooperative Soil Survey

11/3/2022 Page 1 of 5









MAP LEGEND








Area of Interest (AOI)






 Area of Interest (AOI)








Soils



Soil Rating Polygons

-  Not prime farmland
-  All areas are prime farmland
-  Prime farmland if drained
-  Prime farmland if protected from flooding or not frequently flooded during the growing season
-  Prime farmland if irrigated
-  Prime farmland if drained and either protected from flooding or not frequently flooded during the growing season
-  Prime farmland if irrigated and drained
-  Prime farmland if irrigated and either protected from flooding or not frequently flooded during the growing season









-  Prime farmland if subsoiled, completely removing the root inhibiting soil layer
-  Prime farmland if irrigated and the product of I (soil erodibility) x C (climate factor) does not exceed 60
-  Prime farmland if irrigated and reclaimed of excess salts and sodium
-  Farmland of statewide importance
-  Farmland of statewide importance, if drained
-  Farmland of statewide importance, if protected from flooding or not frequently flooded during the growing season
-  Farmland of statewide importance, if irrigated

-  Farmland of statewide importance, if drained and either protected from flooding or not frequently flooded during the growing season
-  Farmland of statewide importance, if irrigated and drained
-  Farmland of statewide importance, if irrigated and either protected from flooding or not frequently flooded during the growing season
-  Farmland of statewide importance, if subsoiled, completely removing the root inhibiting soil layer
-  Farmland of statewide importance, if irrigated and the product of I (soil erodibility) x C (climate factor) does not exceed 60



































-  Farmland of statewide importance, if irrigated and reclaimed of excess salts and sodium
-  Farmland of statewide importance, if drained or either protected from flooding or not frequently flooded during the growing season
-  Farmland of statewide importance, if warm enough, and either drained or either protected from flooding or not frequently flooded during the growing season
-  Farmland of statewide importance, if warm enough
-  Farmland of statewide importance, if thawed
-  Farmland of local importance
-  Farmland of local importance, if irrigated

-  Farmland of unique importance
-  Not rated or not available






















Soil Rating Lines

-  Not prime farmland
-  All areas are prime farmland
-  Prime farmland if drained
-  Prime farmland if protected from flooding or not frequently flooded during the growing season
-  Prime farmland if irrigated
-  Prime farmland if drained and either protected from flooding or not frequently flooded during the growing season
-  Prime farmland if irrigated and drained
-  Prime farmland if irrigated and either protected from flooding or not frequently flooded during the growing season

Farmland Classification—Orange County, Virginia

	Prime farmland if subsoiled, completely removing the root inhibiting soil layer		Farmland of statewide importance, if drained and either protected from flooding or not frequently flooded during the growing season		Farmland of statewide importance, if irrigated and reclaimed of excess salts and sodium		Farmland of unique importance		Prime farmland if subsoiled, completely removing the root inhibiting soil layer	
	Prime farmland if irrigated and the product of I (soil erodibility) x C (climate factor) does not exceed 60		Farmland of statewide importance, if irrigated and drained		Farmland of statewide importance, if drained or either protected from flooding or not frequently flooded during the growing season	Soil Rating Points		Not prime farmland		Prime farmland if irrigated and the product of I (soil erodibility) x C (climate factor) does not exceed 60
	Prime farmland if irrigated and reclaimed of excess salts and sodium		Farmland of statewide importance, if irrigated and either protected from flooding or not frequently flooded during the growing season		Farmland of statewide importance, if warm enough, and either drained or either protected from flooding or not frequently flooded during the growing season		Prime farmland if drained		Prime farmland if irrigated and reclaimed of excess salts and sodium	
	Farmland of statewide importance		Farmland of statewide importance, if subsoiled, completely removing the root inhibiting soil layer		Farmland of statewide importance, if warm enough		Prime farmland if protected from flooding or not frequently flooded during the growing season		Farmland of statewide importance	
	Farmland of statewide importance, if protected from flooding or not frequently flooded during the growing season		Farmland of statewide importance, if irrigated and the product of I (soil erodibility) x C (climate factor) does not exceed 60		Farmland of statewide importance, if thawed		Prime farmland if irrigated		Farmland of statewide importance, if drained	
	Farmland of statewide importance, if irrigated				Farmland of local importance		Prime farmland if drained and either protected from flooding or not frequently flooded during the growing season		Farmland of statewide importance, if protected from flooding or not frequently flooded during the growing season	
					Farmland of local importance, if irrigated		Prime farmland if irrigated and drained		Farmland of statewide importance, if irrigated	
							Prime farmland if irrigated and either protected from flooding or not frequently flooded during the growing season			

Farmland Classification—Orange County, Virginia

<ul style="list-style-type: none">  Farmland of statewide importance, if drained and either protected from flooding or not frequently flooded during the growing season  Farmland of statewide importance, if irrigated and drained  Farmland of statewide importance, if irrigated and either protected from flooding or not frequently flooded during the growing season  Farmland of statewide importance, if subsoiled, completely removing the root inhibiting soil layer  Farmland of statewide importance, if irrigated and the product of I (soil erodibility) x C (climate factor) does not exceed 60 	<ul style="list-style-type: none">  Farmland of statewide importance, if irrigated and reclaimed of excess salts and sodium  Farmland of statewide importance, if drained or either protected from flooding or not frequently flooded during the growing season  Farmland of statewide importance, if warm enough, and either drained or either protected from flooding or not frequently flooded during the growing season  Farmland of statewide importance, if warm enough  Farmland of statewide importance, if thawed  Farmland of local importance  Farmland of local importance, if irrigated 	<ul style="list-style-type: none">  Farmland of unique importance  Not rated or not available <p>Water Features</p> <ul style="list-style-type: none">  Streams and Canals <p>Transportation</p> <ul style="list-style-type: none">  Rails  Interstate Highways  US Routes  Major Roads  Local Roads <p>Background</p> <ul style="list-style-type: none">  Aerial Photography 	<p>The soil surveys that comprise your AOI were mapped at 1:15,800.</p> <div style="border: 1px solid black; padding: 5px; margin: 5px 0;"> <p>Warning: Soil Map may not be valid at this scale.</p> <p>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.</p> </div> <p>Please rely on the bar scale on each map sheet for map measurements.</p> <p>Source of Map: Natural Resources Conservation Service Web Soil Survey URL: Coordinate System: Web Mercator (EPSG:3857)</p> <p>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.</p> <p>This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.</p> <p>Soil Survey Area: Orange County, Virginia Survey Area Data: Version 18, Aug 30, 2022</p> <p>Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.</p> <p>Date(s) aerial images were photographed: Jun 8, 2020—Sep 23, 2020</p> <p>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.</p>
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Farmland Classification

Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
DaC2	Fauquier clay loam, 7 to 15 percent slopes, moderately eroded	Not prime farmland	0.1	6.3%
DdC3	Fauquier clay, 7 to 15 percent slopes, severely eroded	Not prime farmland	1.1	50.7%
SrC	Meadowville silt loam, 2 to 10 percent slopes	Farmland of statewide importance	0.9	43.0%
Totals for Area of Interest			2.1	100.0%

Description

Farmland classification identifies map units as prime farmland, farmland of statewide importance, farmland of local importance, or unique farmland. It identifies the location and extent of the soils that are best suited to food, feed, fiber, forage, and oilseed crops. NRCS policy and procedures on prime and unique farmlands are published in the "Federal Register," Vol. 43, No. 21, January 31, 1978.

Rating Options

Aggregation Method: No Aggregation Necessary

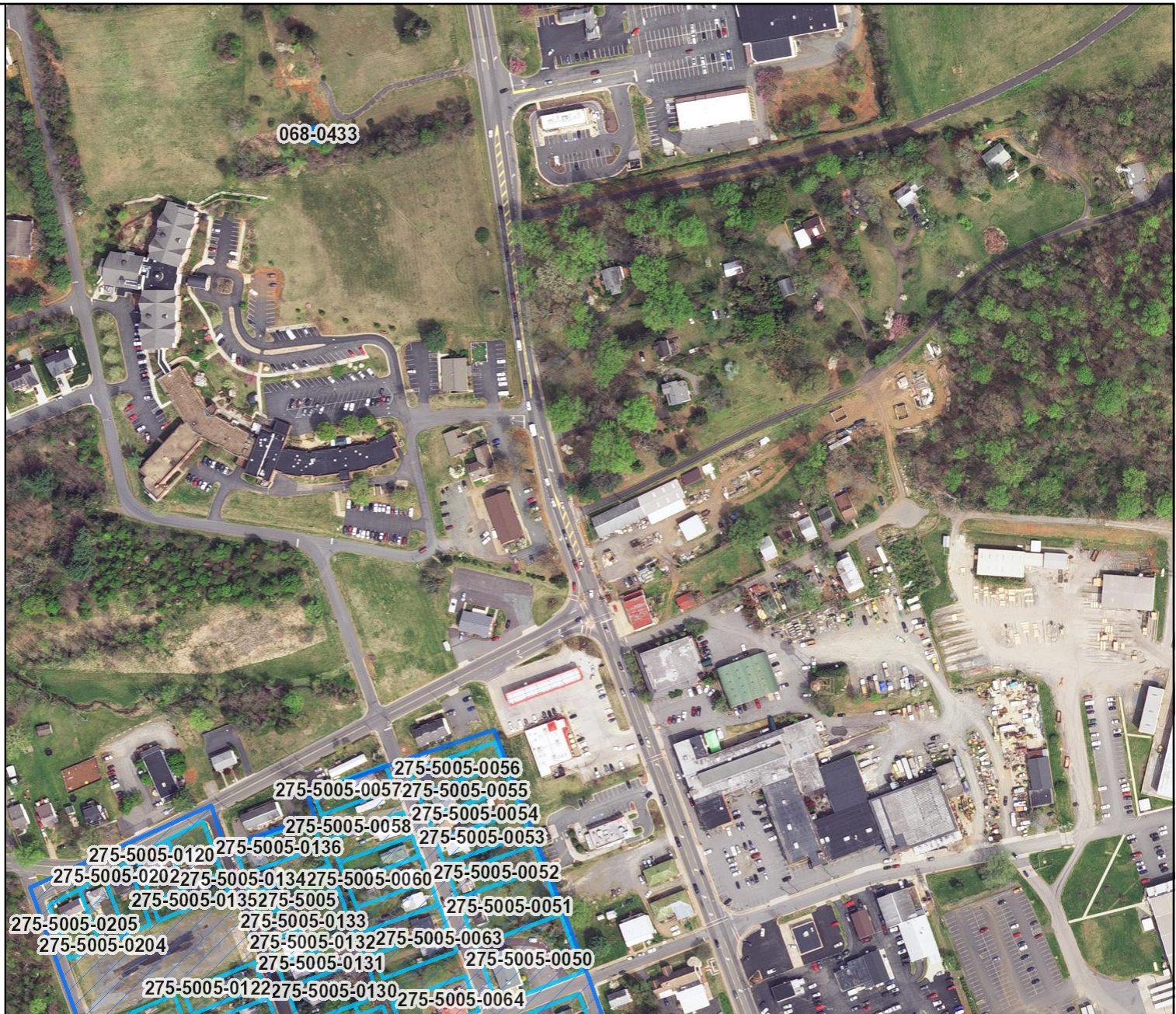
Tie-break Rule: Lower

ATTACHMENT VII - Historical Preservation

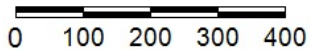


Legend

- Architecture Resources
- Architecture Labels
- Individual Historic District Properties
- Archaeological Resources
- Archaeology Labels
- DHR Easements
- County Boundaries



Feet



1:4,514 / 1"=376 Feet

Title: RRCS Property

Date: 12/6/2022

DISCLAIMER: Records of the Virginia Department of Historic Resources (DHR) have been gathered over many years from a variety of sources and the representation depicted is a cumulative view of field observations over time and may not reflect current ground conditions. The map is for general information purposes and is not intended for engineering, legal or other site-specific uses. Map may contain errors and is provided "as-is". More information is available in the DHR Archives located at DHR's Richmond office.

Notice if AE sites: Locations of archaeological sites may be sensitive the National Historic Preservation Act (NHPA), and the Archaeological Resources Protection Act (ARPA) and Code of Virginia §2.2-3705.7 (10). Release of precise locations may threaten archaeological sites and historic resources.

ATTACHMENT VIII - Noise Abatement and Control

[Home \(/\)](#) > [Programs \(/programs/\)](#) > [Environmental Review \(/programs/environmental-review/\)](#) > DNL Calculator

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

RRCS

Record Date

11/03/2022

User's Name

A. Moon

Road # 1 Name:

Madison Road

Road #1

Vehicle Type

Cars

Medium Trucks

Heavy Trucks

Effective Distance

105

105

105

Distance to Stop Sign

Average Speed

25

25

25

Average Daily Trips (ADT)

12480

130

390

Night Fraction of ADT

15

15

15

Road Gradient (%)

2

Vehicle DNL

57

47

65

Calculate Road #1 DNL

66

Reset

Railroad #1 Track Identifier:

714714N

Rail # 1

Train Type

Electric

Diesel

Effective Distance	<input type="text"/>	2025
Average Train Speed	<input type="text"/>	40
Engines per Train	<input type="text"/>	2
Railway cars per Train	<input type="text"/>	50
Average Train Operations (ATO)	<input type="text"/>	21
Night Fraction of ATO	<input type="text"/>	52
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 DNL	<input type="text" value="0"/>	<input type="text" value="60"/>
<input type="button" value="Calculate Rail #1 DNL"/>	<input type="text" value="60"/>	<input type="button" value="Reset"/>
<input type="button" value="Add Road Source"/>	<input type="button" value="Add Rail Source"/>	
Airport Noise Level	<input type="text"/>	
Loud Impulse Sounds?	<input type="radio"/> Yes <input type="radio"/> No	
Combined DNL for all Road and Rail sources	<input type="text" value="67"/>	
Combined DNL including Airport	<input type="text" value="N/A"/>	
Site DNL with Loud Impulse Sound	<input type="text"/>	
<input type="button" value="Calculate"/>	<input type="button" value="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/>)

Virginia Department of Transportation
 Traffic Engineering Division
 2021
 Annual Average Daily Traffic Volume Estimates By Section of Route
 Primary and Interstate Routes

Link ID	Route Prefix	Route Number	Route Suffix	Route Label	Route Alias	Physical Jurisdiction	Maintenance Jurisdiction	Link Length	Start Label	End Label	AADT	AADT Quality	Percent 2 and 4 Tire Vehicles	Percent buses	Percent Single Unit Trucks 2 Axle	Percent Single Unit Trucks 3+ Axle	Percent Combinat on Trucks 1 Trailer	Percent Combinat on Trucks 2+ Trailer	Vehicle Classificati on Quality	K Factor	K Factor Quality	Direction Factor	AAWDT	AAWDT Quality	Data Date	Comment	
656005	US	00015	US 15	James Madison Hwy		275 Town of Orange	275 Town of Orange	1.10	Lafayette Street	68-721 NCL Orange	13000	G	96%	0%	1%	1%	2%	0%	C	0.0864	F	0.5008	13000	G	2021		
-----End of Report-----																											

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) 09 / 30 / 2022	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 714714N
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Part I: Location and Classification Information

1. Primary Operating Railroad Norfolk Southern Railway Company [NS]		2. State VIRGINIA		3. County ORANGE	
4. City / Municipality <input checked="" type="checkbox"/> In <input type="checkbox"/> Near ORANGE		5. Street/Road Name & Block Number MAYFRAY ST (Street/Road Name) * (Block Number)		6. Highway Type & No. Is	
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 BLUE RIDGE		10. Railroad Subdivision or District <input type="checkbox"/> None WASHINGTON		11. Branch or Line Name <input checked="" type="checkbox"/> None	
12. RR Milepost 0084.580 (prefix) (nnnn.nnn) (suffix)		13. Line Segment *		14. Nearest RR Timetable Station * ORANGE	
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 checked="" type="checkbox"/> No	
21. Type of Train <input checked="" type="checkbox"/> Freight <input type="checkbox"/> Intercity Passenger <input type="checkbox"/> Commuter <input type="checkbox"/> Transit <input type="checkbox"/> Shared Use Transit <input type="checkbox"/> Tourist/Other		22. Average Passenger Train Count Per Day <input type="checkbox"/> Less Than One Per Day <input checked="" type="checkbox"/> Number Per Day 2		23. Type of Land Use <input type="checkbox"/> Open Space <input type="checkbox"/> Farm <input checked="" type="checkbox"/> Residential <input 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) 38.2472027		28. Longitude in decimal degrees (WGS84 std: -nnn.nnnnnnn) -78.1104731	
29. Lat/Long Source <input checked="" type="checkbox"/> Actual <input type="checkbox"/> Estimated		30.A. Railroad Use *		31.A. State Use * 23" W OF MAY-FRAY A	
30.B. Railroad Use *		30.C. Railroad Use *		30.D. Railroad Use *	
31.B. State Use *		31.C. State Use *		31.D. State Use *	
32.A. Narrative (Railroad Use) *			32.B. Narrative (State Use) *		
33. Emergency Notification Telephone No. (posted) 800-946-4744		34. Railroad Contact (Telephone No.) 800-946-4744		35. State Contact (Telephone No.) 804-786-2822	

Part II: Railroad Information

1. Estimated Number of Daily Train Movements				
1.A. Total Day Thru Trains (6 AM to 6 PM) 10	1.B. Total Night Thru Trains (6 PM to 6 AM) 11	1.C. Total Switching Trains 6	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) 2020		3. Speed of Train at Crossing 3.A. Maximum Timetable Speed (mph) 40 3.B. Typical Speed Range Over Crossing (mph) From 35 to 40		
4. Type and Count of Tracks Main 2 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 checked="" type="checkbox"/> Yes <input 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) 09/30/2022		PAGE 2		D. Crossing Inventory Number (7 char.) 714714N		
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) 2		2.B. STOP Signs (R1-1) (count) 0	2.C. YIELD Signs (R1-2) (count)	2.D. Advance Warning Signs (Check all that apply; include count) <input checked="" type="checkbox"/> None <input type="checkbox"/> W10-1 <input type="checkbox"/> W10-3 <input type="checkbox"/> W10-11 <input type="checkbox"/> W10-2 <input type="checkbox"/> W10-4 <input type="checkbox"/> W10-12		
2.E. Low Ground Clearance Sign (W10-5) <input type="checkbox"/> Yes (count _____) <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 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 <u>R15-2P</u> Count <u>2</u> Specify Type _____ Count _____ Specify Type _____ Count _____		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	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 <u>2</u> Pedestrian <u>0</u>	3.B. Gate Configuration <input checked="" type="checkbox"/> 2 Quad <input type="checkbox"/> Full (Barrier) Resistance <input type="checkbox"/> 3 Quad <input type="checkbox"/> Median Gates	3.C. Cantilevered (or Bridged) Flashing Light Structures (count) Over Traffic Lane <u>0</u> <input type="checkbox"/> Incandescent Not Over Traffic Lane <u>0</u> <input type="checkbox"/> LED		3.D. Mast Mounted Flashing Lights (count of masts) <u>2</u> <input checked="" type="checkbox"/> Incandescent <input type="checkbox"/> LED <input checked="" type="checkbox"/> Back Lights Included <input checked="" type="checkbox"/> Side Lights Included	3.E. Total Count of Flashing Light Pairs 5	
3.F. Installation Date of Current Active Warning Devices: (MM/YYYY) <u>08</u> / <u>2014</u> <input 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) 1	
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 <u>0</u> 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 * <u>0</u> Stop Line Distance * <u>0</u>	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 <u>2</u> <input type="checkbox"/> One-way Traffic <input 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) _____ / _____ Width * _____ Length * _____ <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 checked="" type="checkbox"/> 30° - 59° <input 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 type="checkbox"/> (4) Minor Arterial <input checked="" type="checkbox"/> (7) Local		3. Is Crossing on State Highway System? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	4. Highway Speed Limit <u>25</u> 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 <u>2011</u> AADT <u>002012</u>		8. Estimated Percent Trucks <u>21</u> %	9. Regularly Used by School Buses? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Average Number per Day <u>2</u>		10. Emergency Services Route <input type="checkbox"/> Yes <input 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.						


Airport Noise Worksheet

Use this worksheet to identify information needed to evaluate a site's exposure to aircraft noise.

Name and Location of Project: RRCS Orange Part 58 Date: 11/03/2022
Name of Airport: Orange County Person completing worksheet: A. Moon

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)

 <p>U.S. DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION</p>	<p>AIRPORT MASTER RECORD</p>	<p>PRINT DATE: 10/30/2012 AFD EFF 09/20/2012 Form Approved OMB 2120-0015</p>
<p>> 1 ASSOC CITY: KENAI 4 STATE: AK LOC ID: ENA FAA SITE NR: 50410.*A > 2 AIRPORT NAME: KENAI MUNI 5 COUNTY: KENAI-COOK INLET AK 3 CBD TO AIRPORT (NM): 00 N 6 REGION/ADO: AAL/NONE 7 SECT AERO CHT: ANCHORAGE</p>		
<p>GENERAL</p> <p>10 OWNERSHIP: PU 11 OWNER: CITY OF KENAI 12 ADDRESS: 210 FIDALGO ST KENAI, AK 99611 13 PHONE NR: 907-283-7951 14 MANAGER: MARY BONDURANT 15 ADDRESS: 305 N WILLOW SUITE 200 KENAI, AK 99611 16 PHONE NR: 907-283-7951 > 17 ATTENDANCE SCHEDULE: ALL MON-FRI 0800-1700</p> <p>18 AIRPORT USE: PUBLIC 19 ARPT LAT: 60-34-23.9044N ESTIMATED 20 ARPT LONG: 151-14-41.2000W 21 ARPT ELEV: 99.0 SURVEYED 22 ACREAGE: 1200 23 RIGHT TRAFFIC: 01L, 19W > 24 NON-COMM LANDING: NO</p>	<p>SERVICES</p> <p>70 FUEL: 100LL A 71 AIRFRAME RPRS: MINOR 72 PWR PLANT RPRS: MINOR 73 BOTTLE OXYGEN: NONE 74 BULK OXYGEN: NONE 75 TSNT STORAGE: TIE 76 OTHER SERVICES: CARGO, CHTR, INSTR, RNTL</p> <p>FACILITIES</p> <p>80 ARPT BCN: CG 81 ARPT LGT SKED: SEE RMK 82 UNICOM: 83 WIND INDICATOR: YES-L 84 SEGMENTED CIRCLE: YES 85 CONTROL TWR: YES 86 FSS: KENAI 87 FSS ON ARPT: YES 88 FSS PHONE NR: 800-478-3576</p>	<p>BASED AIRCRAFT</p> <p>90 SINGLE ENG: 54 91 MULTI ENG: 7 92 JET: 0 TOTAL: 61</p> <p>93 HELICOPTERS: 0 94 GLIDERS: 0 95 MILITARY: 0 96 ULTRA-LIGHT: 0</p> <p>OPERATIONS</p> <p>100 AIR CARRIER: 1,045 102 AIR TAXI: 23,263 103 G A LOCAL: 6,326 104 G A ITNRNT: 6,429 105 MILITARY: 3,115 TOTAL: 40,178</p> <p>OPERATIONS FOR 12 MONTHS ENDING 12/01/2011</p>

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	<u>0</u>	Is this 9000 or more	Yes ___ No <u>X</u>
Annual air taxi operations	<u>45</u>	Is this 18,000 or more	Yes ___ No <u>X</u>
Annual military operations	<u>114</u>	Is this 18,000 or more	Yes ___ No <u>X</u>
Annual general aviation operations	<u>8,314</u>	Is this 72000 or more	Yes ___ No <u>X</u>

1. 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.

2. 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 information in the HUD [Noise Assessment Guidelines](#) (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).

Contact your HUD Representative if you need assistance



> 1 ASSOC CITY: ORANGE 4 STATE: VA LOC ID: OMH FAA SITE NR: 25926.*A
> 2 AIRPORT NAME: ORANGE COUNTY 5 COUNTY: ORANGE, VA
3 CBD TO AIRPORT (NM): 3 E 6 REGION/ADO: AEA /DCA 7 SECT AERO CHT: WASHINGTON

GENERAL

10 OWNERSHIP: PUBLIC
> 11 OWNER: ORANGE COUNTY
> 12 ADDRESS: P O BOX 111
ORANGE, VA 22960
> 13 PHONE NR: 540-661-5400
> 14 MANAGER: BUZZ JARRELL
> 15 ADDRESS: 11275 AVIATION WAY
ORANGE, VA 22960
> 16 PHONE NR: 540-672-2158
> 17 ATTENDANCE SCHEDULE:

MONTHS	DAYS	HOURS
ALL	ALL	0830-1700

18 AIRPORT USE: PUBLIC
19 ARPT LAT: 38-14-49.93N ESTIMATED
20 ARPT LONG: 78-2-44.236W
21 ARPT ELEV: 464.4 SURVEYED
22 ACREAGE: 322
> 23 RIGHT TRAFFIC: NO
> 24 NON-COMM LANDING: NO
25 NPIAS/FED AGREEMENTS: YES / NGY
> 26 FAR 139 INDEX: /

SERVICES

> 70 FUEL: 100LL A+
> 71 AIRFRAME RPRS: MAJOR
> 72 PWR PLANT RPRS: MAJOR
> 73 BOTTLE OXYGEN: NONE
> 74 BULK OXYGEN: NONE
75 TSNT STORAGE: TIE
76 OTHER SERVICES: INSTR,PAJA

BASED AIRCRAFT

90 SINGLE ENG:	33
91 MULTI ENG:	3
92 JET:	0
93 HELICOPTERS:	1
TOTAL:	37
94 GLIDERS:	0
95 MILITARY:	0
96 ULTRA-LIGHT:	0

FACILITIES

> 80 ARPT BCN: WG
> 81 ARPT LGT SKED: SEE RMK
BCN LGT SKED: SS-SR
> 82 UNICOM: 122.800
> 83 WIND INDICATOR: YES-L
84 SEGMENTED CIRCLE: YES
85 CONTROL TWR: NO
86 FSS: LEESBURG
87 FSS ON ARPT: NO
88 FSS PHONE NR:
89 TOLL FREE NR: 1-800-WX-BRIEF

OPERATIONS

100 AIR CARRIER:	0
102 AIR TAXI:	45
103 G A LOCAL:	3,234
104 G A ITNRNT:	5,080
105 MILITARY:	114
TOTAL:	8,473
OPERATIONS FOR 12 MONTHS ENDING 12/31/2019	

RUNWAY DATA

> 30 RUNWAY IDENT:
> 31 LENGTH:
> 32 WIDTH:
> 33 SURF TYPE-COND:
> 34 SURF TREATMENT:
35 GROSS WT: S
36 (IN THSDS) D
37 2D
38 2D/2DS
> 39 PCN / PCR:

08/26
3,200
75
ASPH-G
AFSC
12.0

LIGHTING/APCH AIDS

> 40 EDGE INTENSITY:
> 42 RWY MARK TYPE-COND:
> 43 VGSi:
44 THR CROSSING HGT:
45 VISUAL GLIDE ANGLE:
> 46 CNTRLN-TDZ:
> 47 RVR-RVV:
> 48 REIL:
> 49 APCH LIGHTS:

MED
NPI- G / NPI- G
P2L / P2L
42 / 44
4.00 / 4.00
- / -
- / -
Y / Y
/

OBSTRUCTION DATA

50 FAR 77 CATEGORY:
> 51 DISPLACED THR:
> 52 CTLG OBSTN:
> 53 OBSTN MARKED/LGTD:
> 54 HGT ABOVE RWY END:
> 55 DIST FROM RWY END:
> 56 CNTRLN OFFSET:
57 OBSTN CLNC SLOPE:
58 CLOSE-IN OBSTN:

A(NP) / A(NP)
/
TREES / TREES
/
77 / 57
2,591 / 1,298
410L / 213L
31:1 / 19:1
N / N

DECLARED DISTANCES

> 60 TAKE OFF RUN AVBL (TORA):
> 61 TAKE OFF DIST AVBL (TODA):
> 62 ACLT STOP DIST AVBL (ASDA):
> 63 LNDG DIST AVBL (LDA):

/
/
/
/

(>) ARPT MGR PLEASE ADVISE FSS IN ITEM 86 WHEN CHANGES OCCUR TO ITEMS PRECEDED BY >

> 110 REMARKS:

- A 017 UNATDD NEW YEARS, EASTER, MEMORIAL, INDEPENDENCE, LABOR, THANKSGIVING AND CHRISTMAS DAYS. TERM OPEN BUSINESS HRS.
- A 070 JET-A+ SELF SERVICE AFTER HOURS.
- A 070 100LL SELF SERVICE AFTER HOURS.
- A 081 ACTVT REIL RWY 08 & 26; PAPI RWY 08 & 26; MIRL RWY 08/26 - CTAF.
- A 110-001 FOR CD CTC POTOMAC APCH AT 866-640-4124.
- A 110-002 PARACHUTE OPS.

111 INSPECTOR: (S) 112 LAST INSP: 06/25/2020 113 LAST INFO RES:

ATTACHMENT IX - Wetland Protection



November 3, 2022

Wetlands

- Estuarine and Marine Deepwater
- Freshwater Emergent Wetland
- Lake
- Estuarine and Marine Wetland
- Freshwater Forested/Shrub Wetland
- Other
- Freshwater Pond
- Riverine

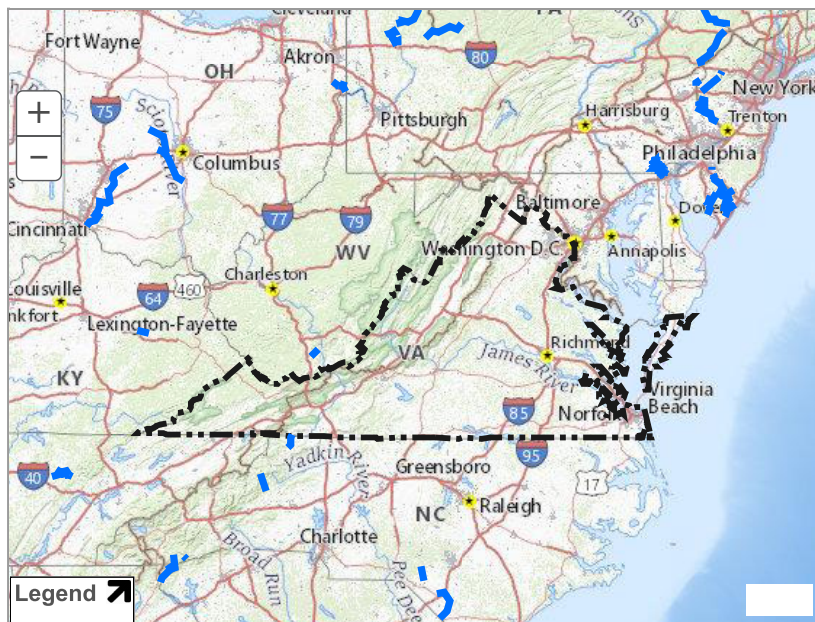
This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

ATTACHMENT X - Wild and Scenic Rivers



VIRGINIA

Virginia has approximately 49,350 miles of river, but no designated wild & scenic rivers.



Choose A State

Choose A River

*While progress should never come to a halt,
there are many places it should never come to
at all. — Paul Newman*

[+ View larger map](#)

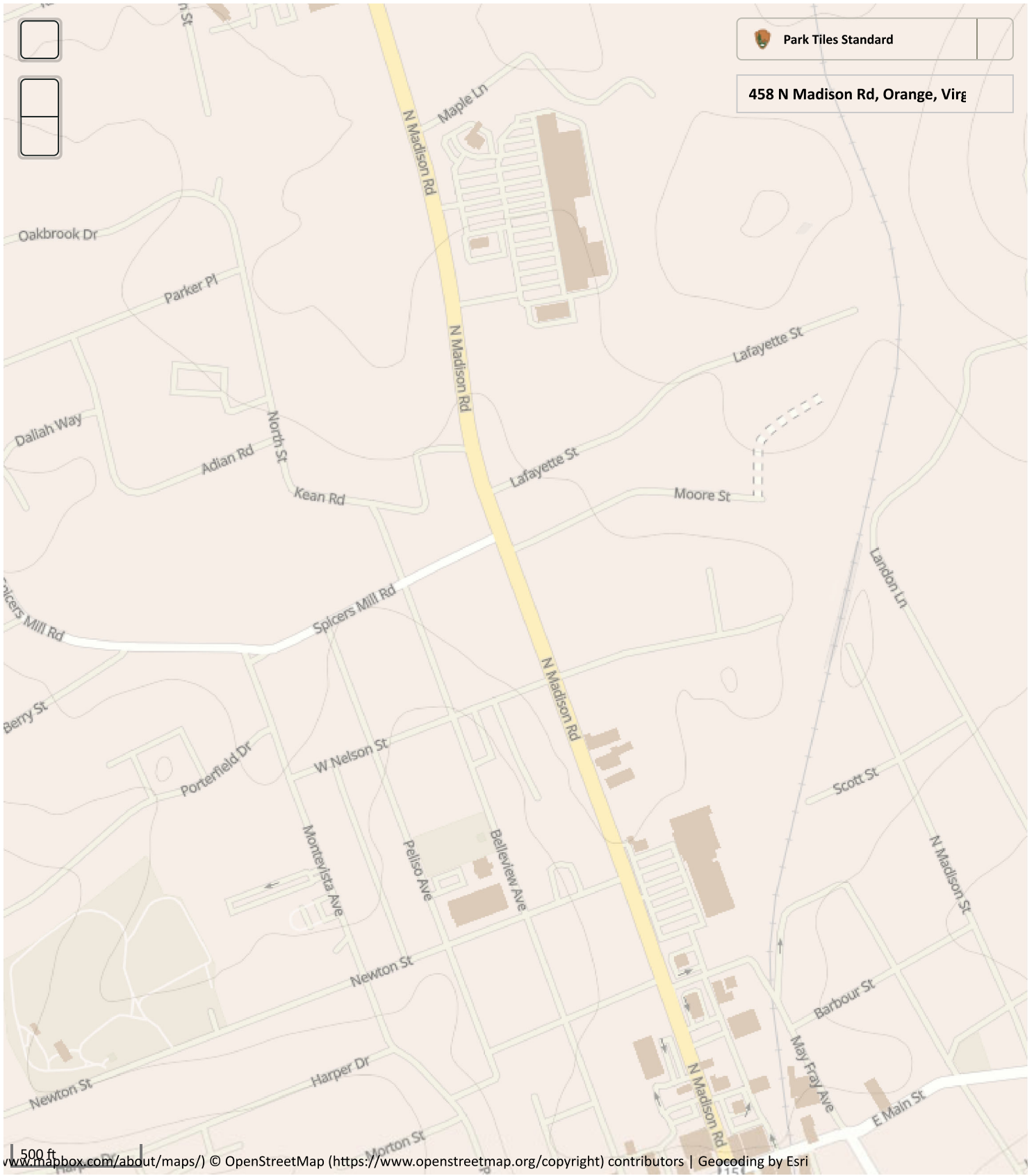
Virginia does not have any designated rivers.



Nationwide Rivers Inventory

National Park Service
U.S. Department of the Interior

This is a listing of more than 3,200 free-flowing river segments in the U.S....



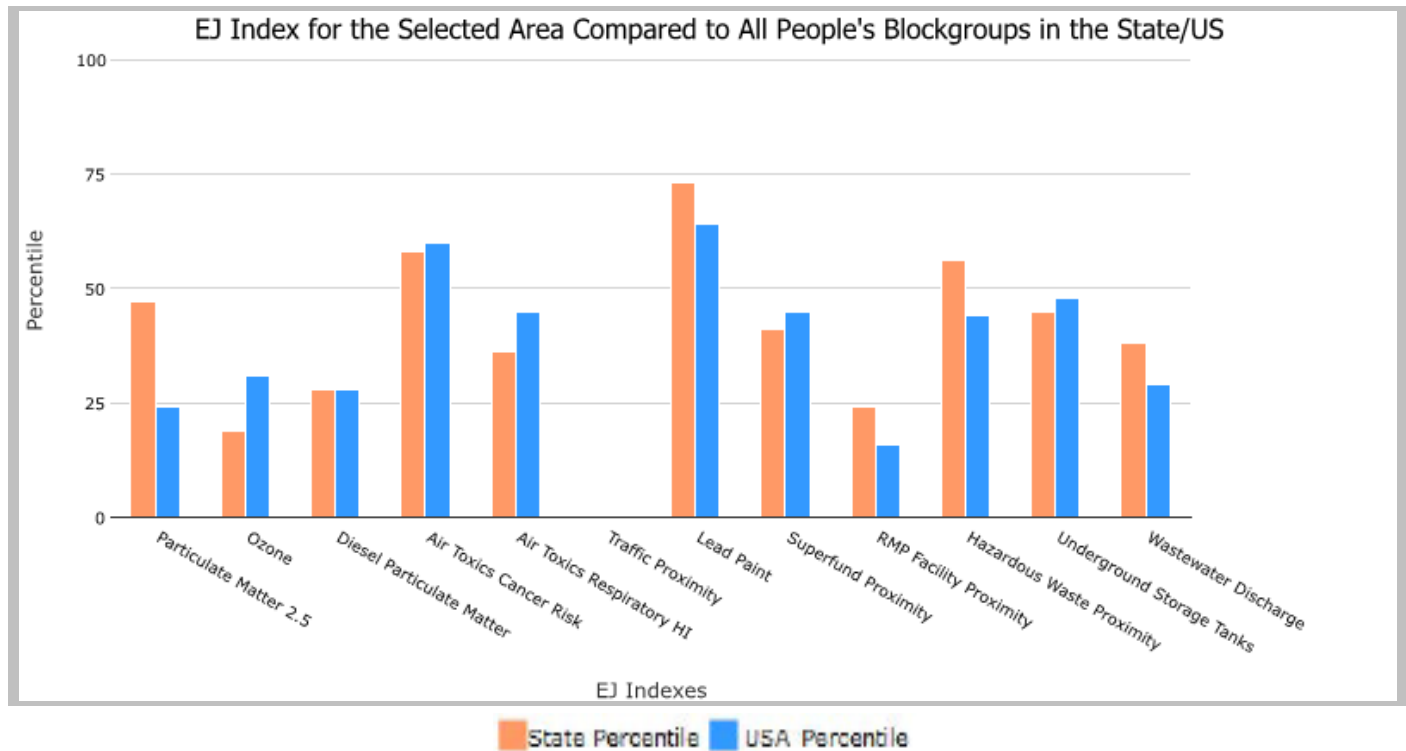
ATTACHMENT XI - Environmental Justice

1 mile Ring Centered at 38.253751,-78.115625, VIRGINIA, EPA Region 3

Approximate Population: 4,241

Input Area (sq. miles): 3.14

Selected Variables	State Percentile	USA Percentile
Environmental Justice Indexes		
EJ Index for Particulate Matter 2.5	47	24
EJ Index for Ozone	19	31
EJ Index for Diesel Particulate Matter*	28	28
EJ Index for Air Toxics Cancer Risk*	58	60
EJ Index for Air Toxics Respiratory HI*	36	45
EJ Index for Traffic Proximity	N/A	N/A
EJ Index for Lead Paint	73	64
EJ Index for Superfund Proximity	41	45
EJ Index for RMP Facility Proximity	24	16
EJ Index for Hazardous Waste Proximity	56	44
EJ Index for Underground Storage Tanks	45	48
EJ Index for Wastewater Discharge	38	29



This report shows the values for environmental and demographic indicators and EJSCREEN indexes. It shows environmental and demographic raw data (e.g., the estimated concentration of ozone in the air), and also shows what percentile each raw data value represents. These percentiles provide perspective on how the selected block group or buffer area compares to the entire state, EPA region, or nation. For example, if a given location is at the 95th percentile nationwide, this means that only 5 percent of the US population has a higher block group value than the average person in the location being analyzed. The years for which the data are available, and the methods used, vary across these indicators. Important caveats and uncertainties apply to this screening-level information, so it is essential to understand the limitations on appropriate interpretations and applications of these indicators. Please see EJSCREEN documentation for discussion of these issues before using reports.

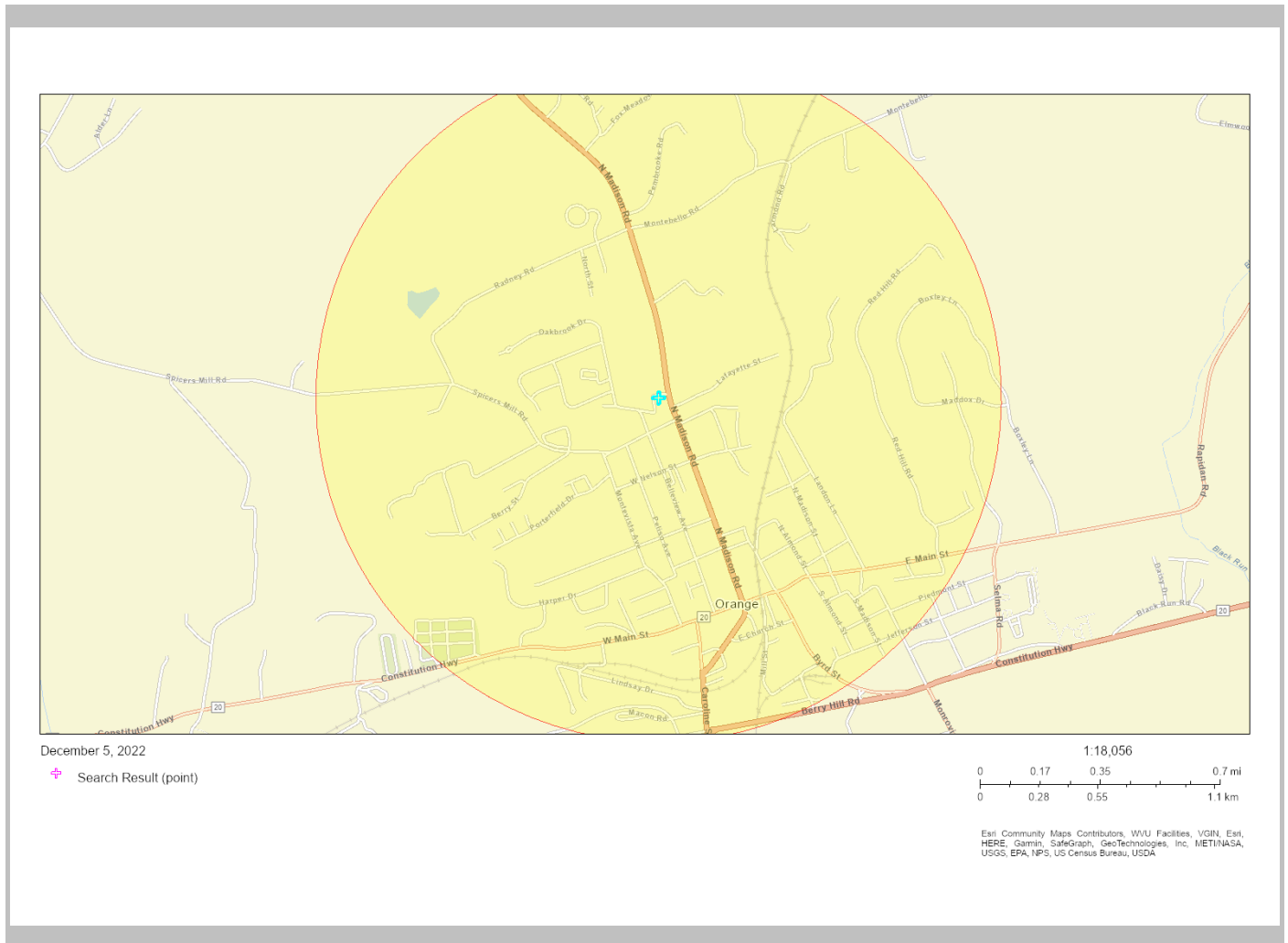
EJScreen Report (Version 2.1)



1 mile Ring Centered at 38.253751,-78.115625, VIRGINIA, EPA Region 3

Approximate Population: 4,241

Input Area (sq. miles): 3.14



Sites reporting to EPA	
Superfund NPL	0
Hazardous Waste Treatment, Storage, and Disposal Facilities (TSDF)	0

EJScreen Report (Version 2.1)



1 mile Ring Centered at 38.253751,-78.115625, VIRGINIA, EPA Region 3

Approximate Population: 4,241

Input Area (sq. miles): 3.14

Selected Variables	Value	State Avg.	%ile in State	USA Avg.	%ile in USA
Pollution and Sources					
Particulate Matter 2.5 ($\mu\text{g}/\text{m}^3$)	7.09	7.51	35	8.67	14
Ozone (ppb)	37.8	40.1	11	42.5	20
Diesel Particulate Matter* ($\mu\text{g}/\text{m}^3$)	0.108	0.237	16	0.294	<50th
Air Toxics Cancer Risk* (lifetime risk per million)	30	31	84	28	80-90th
Air Toxics Respiratory HI*	0.3	0.36	41	0.36	<50th
Traffic Proximity (daily traffic count/distance to road)	N/A	740	N/A	760	N/A
Lead Paint (% Pre-1960 Housing)	0.31	0.2	71	0.27	58
Superfund Proximity (site count/km distance)	0.034	0.11	28	0.13	32
RMP Facility Proximity (facility count/km distance)	0.065	0.41	14	0.77	9
Hazardous Waste Proximity (facility count/km distance)	0.22	0.71	47	2.2	33
Underground Storage Tanks (count/km ²)	0.26	1.9	32	3.9	34
Wastewater Discharge (toxicity-weighted concentration/m distance)	0.00014	7.5	56	12	33
Socioeconomic Indicators					
Demographic Index	31%	31%	56	35%	52
People of Color	32%	39%	49	40%	53
Low Income	29%	24%	63	30%	52
Unemployment Rate	12%	5%	90	5%	86
Limited English Speaking Households	0%	3%	0	5%	0
Less Than High School Education	16%	10%	78	12%	73
Under Age 5	7%	6%	65	6%	64
Over Age 64	17%	15%	59	16%	57

*Diesel particulate matter, air toxics cancer risk, and air toxics respiratory hazard index are from the EPA's Air Toxics Data Update, which is the Agency's ongoing, comprehensive evaluation of air toxics in the United States. This effort aims to prioritize air toxics, emission sources, and locations of interest for further study. It is important to remember that the air toxics data presented here provide broad estimates of health risks over geographic areas of the country, not definitive risks to specific individuals or locations. Cancer risks and hazard indices from the Air Toxics Data Update are reported to one significant figure and any additional significant figures here are due to rounding. More information on the Air Toxics Data Update can be found at: <https://www.epa.gov/haps/air-toxics-data-update>.

For additional information, see: www.epa.gov/environmentaljustice

EJScreen is a screening tool for pre-decisional use only. It can help identify areas that may warrant additional consideration, analysis, or outreach. It does not provide a basis for decision-making, but it may help identify potential areas of EJ concern. Users should keep in mind that screening tools are subject to substantial uncertainty in their demographic and environmental data, particularly when looking at small geographic areas. Important caveats and uncertainties apply to this screening-level information, so it is essential to understand the limitations on appropriate interpretations and applications of these indicators. Please see EJScreen documentation for discussion of these issues before using reports. This screening tool does not provide data on every environmental impact and demographic factor that may be relevant to a particular location. EJScreen outputs should be supplemented with additional information and local knowledge before taking any action to address potential EJ concerns.

ATTACHMENT XII - Site Plans

SITE INFORMATION

EXISTING SITE DATA

LOCATED IN THE TOWN OF ORANGE, VIRGINIA
 TAX MAP 044, BLOCK 10, LOT 08
 OWNER: COUNTY OF ORANGE
 ZONING: TOWN ACTIVITY CENTER

EXISTING BUILDINGS:

450 NORTH MADISON ROAD - ORANGE COUNTY HEALTH DEPARTMENT & MEDICAL OFFICE
 454 NORTH MADISON ROAD - FORMER SHELTER (VACANT)
 458 NORTH MADISON ROAD - RAPPAHANNOCK RAPIDAN COMMUNITY SERVICES OFFICE

BUILDING SETBACKS

FRONT: 10' TO EDGE OF STREET UP TO 35' BUILDING HEIGHT
 FRONT: 20' TO EDGE OF STREET > 35' BUILDING HEIGHT
 SIDE: 5'
 REAR: 10'

PARKING SETBACKS

FRONT: 10' MINIMUM WITH VISUAL BUFFER
 SIDE: 5' WITH 3'-6" SCREEN
 REAR: 10' WITH 3'-6" SCREEN

PARKING DATA

TOTAL SITE PARKING = 50 SPACES

SITE DATA SOURCE

THIS SITE SKETCH IS PREPARED FOR ARCHITECTURAL CONCEPTUAL FEASIBILITY USE ONLY AND DOES NOT REPRESENT A PHYSICAL SURVEY OR SHOW ALL EXISTING PHYSICAL CONDITIONS & UTILITIES THAT MAY BE PRESENT. IT IS NOT TO BE USED FOR CONSTRUCTION.

EXISTING SITE INFORMATION TAKEN FROM ONLINE PUBLICLY AVAILABLE GIS MAPPING INFORMATION AND VERY LIMITED ARCHITECTURAL SITE MEASUREMENTS. NO BOUNDARY INFORMATION OR TOPOGRAPHY PREPARED BY A LICENSED SURVEYOR WAS AVAILABLE.



EXISTING SITE SKETCH
 SCALE: 1" = 20'-0"



PRELIMINARY



RAPPAHANNOCK RAPIDAN COMMUNITY SERVICES
SITE FEASIBILITY STUDY
 454 & 458 NORTH MADISON ROAD
 ORANGE, VIRGINIA 22960

REVISIONS:	
DRAWN:	DAS
CHECKED:	
SCALE:	NOTED
DATE:	01-14-22
PROJECT #:	2030
EXISTING SITE SKETCH	

C0.1

SITE INFORMATION

EXISTING SITE DATA

LOCATED IN THE TOWN OF ORANGE, VIRGINIA
 TAX MAP 044, BLOCK 10, LOT 08
 OWNER: COUNTY OF ORANGE
 ZONING: TOWN ACTIVITY CENTER

(1) EXISTING BUILDINGS:
 450 NORTH MADISON ROAD - ORANGE COUNTY HEALTH
 DEPARTMENT & MEDICAL OFFICE
 454 NORTH MADISON ROAD - FORMER SHELTER (VACANT)
 458 NORTH MADISON ROAD - RAPPAHANNOCK RAPIDAN
 COMMUNITY SERVICES OFFICES

BUILDING SETBACKS
 FRONT: 10' TO EDGE OF STREET UP TO 35' BUILDING HEIGHT
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 FRONT: 10' MINIMUM WITH VISUAL BUFFER
 SIDE: 5' WITH 3'-6" SCREEN
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PARKING DATA
 TOTAL SITE PARKING = 50 SPACES

SITE DATA SOURCE

THIS SITE SKETCH IS PREPARED FOR ARCHITECTURAL
 CONCEPTUAL FEASIBILITY USE ONLY AND DOES NOT
 REPRESENT A PHYSICAL SURVEY OR SHOW EXISTING PHYSICAL
 CONDITIONS & UTILITIES THAT MAY BE PRESENT. THIS SITE
 SKETCH SHALL NOT BE USED FOR CONSTRUCTION.

EXISTING SITE INFORMATION TAKEN FROM ONLINE PUBLIC GIS
 MAPPING INFORMATION AND VERY LIMITED ARCHITECTURAL
 SITE MEASUREMENTS. NO BOUNDARY INFORMATION OR
 TOPOGRAPHY PREPARED BY A LICENSED SURVIVOR WAS
 AVAILABLE.

SITE DEVELOPMENT CONCEPT

PROPOSED SCOPE OF WORK

(1) EXISTING BUILDINGS:
 450 NORTH MADISON ROAD - TO REMAIN
 454 NORTH MADISON ROAD - DEMOLISH
 458 NORTH MADISON ROAD - DEMOLISH

NEW BUILDING

(3) STORY, 6,668 SF FOOTPRINT BUILDING AREA
 1ST FLOOR: 6,668 SF RRCS OFFICES & STORAGE
 2ND FLOOR: 6,668 SF APARTMENT LEVEL
 3RD FLOOR: 6,668 SF APARTMENT LEVEL
 TOTAL AREA ALL FLOORS: 20,004 SF

SLEEPING / DWELLING UNITS

2ND FLOOR
 UNIT #1: TYPE 'A' (2) BEDROOM DWELLING UNIT
 UNIT #2: TYPE 'A' (1) BEDROOM DWELLING UNIT
 UNIT #3 to #10: TYPE 'B' (1) BEDROOM DWELLING UNIT

3RD FLOOR
 UNIT #1: TYPE 'B' (2) BEDROOM DWELLING UNIT
 UNIT #2 to #10: TYPE 'B' (1) BEDROOM DWELLING UNITS

2 BEDROOM UNITS (2)
 1 BEDROOM UNITS (8)
 TOTAL UNITS (10)

BUILDING PLANNING
 USE GROUP: R-2 APARTMENT (NON-TRANSIENT)
 B BUSINESS OFFICE

CONSTRUCTION TYPE: SB, UNPROTECTED

NFPA 13R SPRINKLER SYSTEM PER (903.3.1.2)

BUILDING LIMITATIONS (TABLE 503):
 R-2 USE: 3 STORY, 40 FEET, 7,000 SF
 B USE: 3 STORY, 40 FEET, 9,000 SF

ACTUAL HEIGHT & BUILDING AREA:
 3 STORY, 36 FT, 6,668 SF

FIRE PROTECTION

NON-COMBUSTIBLE CONSTRUCTION - (8) RATING FOR
 BUILDING ELEMENTS (TABLE 601 & 602) EXTERIOR WALLS THAT
 ARE 10' OR GREATER FROM LOT LINE (9) HOUR RATED
 UNLIMITED EXTERIOR OPENINGS @ WALLS > 20' FROM LOT
 LINE

FIRE SEPARATION ASSEMBLIES PROVIDED:
 SHAFTS - (1) HOUR FIRE BARRIER (713)
 EXIT ACCESS CORRIDORS - (1/2) HR. FIRE PARTITION
 DWELLING & SLEEPING UNIT WALLS - (1/2) HR. FIRE PARTITION
 HORIZONTAL ASSEMBLIES - (1/2) HR. FIRE PARTITION
 SEPARATING DWELLING & SLEEPING UNITS.



SITE SKETCH - PROPOSED DEVELOPMENT
 SCALE: 1" = 20'-0"



PRELIMINARY



RAPPAHANNOCK RAPIDAN COMMUNITY SERVICES
SITE FEASIBILITY STUDY
 454 & 458 NORTH MADISON ROAD
 ORANGE, VIRGINIA, 22960

REVISIONS:

DRAWN: DAS
 CHECKED: DAS
 SCALE: NOTED
 DATE: 01-14-22
 PROJECT #: 2030

SITE SKETCH
 PROPOSED
 DEVELOPMENT

C1.1