



**Application, Appendix,
DEQ Supplement, Direct
Testimony, and Exhibits of
Virginia Electric and Power
Company**

**Before the State Corporation
Commission of Virginia**

Line #183 Partial Rebuild Project

Application No. 315

Case No. PUR-2022-00123

Filed: August 3, 2022

Volume 2 of 2

BEFORE THE
STATE CORPORATION COMMISSION
OF VIRGINIA

APPLICATION OF
VIRGINIA ELECTRIC AND POWER COMPANY
FOR APPROVAL OF ELECTRIC TRANSMISSION FACILITIES

Line #183 Partial Rebuild Project

Application No. 315

DEQ Supplement

Case No. PUR-2022-00123

Table of Contents

	Page
1. Project Description	1
2. Environmental Analysis	2
A. Air Quality	2
B. Water Source.....	2
C. Discharge of Cooling Waters.....	3
D. Tidal and Non-tidal Wetlands	3
E. Floodplains.....	4
F. Solid and Hazardous Waste	4
G. Natural Heritage, Threatened and Endangered Species.....	6
H. Erosion and Sediment Control.....	9
I. Archaeological, Historic, Scenic, Cultural or Architectural Resources.....	10
J. Chesapeake Bay Preservation Areas.....	11
K. Wildlife Resources.....	12
L. Recreation, Agricultural and Forest Resources	12
M. Use of Pesticides and Herbicides.....	14
N. Geology and Mineral Resources.....	15
O. Transportation Infrastructure	15
Attachments	17

Based upon consultations with the Virginia Department of Environmental Quality (“DEQ”), Virginia Electric and Power Company (“Dominion Energy Virginia” or the “Company”) has developed this DEQ Supplement to facilitate review and analysis of the proposed Line #183 Partial Rebuild Project (“Rebuild Project”) by DEQ and other relevant agencies.

1. Project Description

In order to replace aging infrastructure that is at the end of its service life, to comply with mandatory North American Electric Reliability Corporation (“NERC”) Reliability Standards and the Company’s mandatory electric transmission planning criteria (“Planning Criteria”), and to maintain reliable service for the overall growth in the area, Dominion Energy Virginia proposes the following Rebuild Project in Fauquier and Prince William Counties, Virginia:

- (i) Rebuild an approximately 15.2-mile segment of the Company’s existing 23.6-mile 115 kV Bristers-Ox Line #183 between Structure #183/12 and Structure #183/134. Specifically, remove existing Structures #183/13 through #183/133, of which, existing Structures #183/13 through #183/100 are predominantly single circuit 115 kV wood H-frame structures, and existing Structures #183/101 through #183/133 are predominately 115 kV weathering steel (COR-TEN®) lattice towers. The existing weathering steel (COR-TEN®) lattice towers are framed for double circuit construction; however, the davit arms for one of the circuits are currently vacant. The Company proposes to replace Structures #183/13 through #183/23 with 230 kV single circuit weathering steel H-frames, and to replace Structures #183/24 through #183/133 primarily with 230 kV double circuit weathering steel monopoles, which will have a set of three vacant davit arms available to allow for future load growth. This rebuild of the 15.2-mile segment of the Company’s 115 kV Line #183 is inclusive of a 0.11-mile single circuit 115 kV tap circuit, which feeds the Sowego Delivery Point (“DP”) owned by Northern Virginia Electric Cooperative (“NOVEC”) and will be rebuilt with two 230 kV single circuit weathering steel 3-pole structures. In addition to the structure replacements, the existing 3-phase twin-bundled 636 ACSR, single 636 ACSR, 4/0 ACSR and 740.8 AAAC conductors and existing shield wire on Line #183 between Structures #183/2 and #183/12 and between Structures #183/12 and #183/134 will be replaced with 3-phase twin-bundled 768.2 ACSS conductors and new optical ground wire (“OPGW”) fiber optic shield wires. The Company proposes to operate the rebuilt Line #183 at 115 kV until such time as 230 kV operation of the line is required.
- (ii) Upgrade line terminal equipment at Bristers Substation to support the new line rating of rebuilt Line #183.

The proposed Rebuild Project will replace aging infrastructure at the end of its service life and address criteria violations in compliance with the Company’s mandatory Planning Criteria, NERC Reliability Standards and annual FERC Form No. 715 reporting requirements, and consistent with sound engineering judgment, thereby enabling the Company to maintain the overall long-term reliability of its transmission system, as well as to provide important system reliability benefits to the Company’s entire network.

The length of the existing right-of-way and Company-owned property to be used for

the Rebuild Project is approximately 15.2 miles. Because the existing right-of-way and Company-owned property are adequate for the proposed Rebuild Project, no new right-of-way is required. Given the availability of existing right-of-way and the statutory preference given to use of existing rights-of-way, and because additional costs and environmental impacts would be associated with the acquisition and construction of new right-of-way, the Company did not consider any alternate routes requiring new right-of-way for this Rebuild Project.

2. Environmental Analysis

The Company solicited comments from all relevant state and local agencies about the proposed Rebuild Project in June 2022. Copies of these letters are included as Attachment 2. The DEQ responded to the Company's request regarding the proposed Rebuild Project on June 28, 2022. A copy of this correspondence is included as Attachment 2.1. The Company received additional responses as part of the coordinated agency review process from the Prince William County Board of Supervisors (see Attachment 2.2), the U.S. Navy (see Attachment 2.3), the Prince William County Department of Land Use (see Attachment 2.4), and the Virginia Department of Health-Office of Drinking Water (see Attachment 2.5).

A. Air Quality

For the Rebuild Project, the Company will control fugitive dust during construction in accordance with DEQ regulations. During construction, if the weather is dry for an extended period of time, there will be airborne particles from the use of vehicles and equipment within the right-of-way. However, minimal earth disturbance will take place and vehicle speed, which is often a factor in airborne particulate, will be kept to a minimum. Erosion and sediment control is addressed in Section 2.H, below. Equipment and vehicles that are powered by gasoline or diesel motors will also be used during the construction of the line so there will be exhaust from those motors.

The entire width of the existing transmission corridor, which varies from 100 to 235 feet, currently is maintained for transmission facility operations. However, the Rebuild Project may require some trimming of tree limbs along the right-of-way edges to support construction activities. The Company does not expect to burn cleared material, but if necessary, the Company will coordinate with the responsible locality to ensure all local ordinances are met. The Company's tree clearing methods are described in Section 2.L.

B. Water Source (No water source is required for transmission lines so this discussion will focus on potential waterbodies to be crossed by the proposed transmission line rebuild.)

According to the U.S. Geological Survey ("USGS") topographic quadrangles for Somerville (2019), Nokesville (2019), Independent Hill (2019), Joplin (2019), and Occoquan (2019), the 15.2-mile section of Line #183 proposed for rebuild crosses Town Run, Dorrells Run, Goose Run, Goslin Run, Johns Branch, Lucky Run,

Quantico Creek, Powells Creek, Neabsco Creek, and several perennial and intermittent streams. Any clearing required in the vicinity of streams will be performed by hand within 100 feet of both sides, and vegetation less than three inches in diameter will be left undisturbed.

The Virginia Marine Resources Commission (“VMRC”) has jurisdiction over streams with drainage areas of greater than five square miles and will require a permit for encroachment over state-owned bottom associated with aerial stream crossings of the transmission line. The Rebuild Project will have an aerial stream crossing located at Powells Creek, which has a drainage area of 5.06 square miles and will require authorization from VMRC. A Joint Permit Application will be submitted for review by the VMRC, DEQ, and the U.S. Army Corps of Engineers (the “Corps”) to authorize jurisdictional crossings and for any impacts to jurisdictional features.

The Company sent a letter to VMRC in June 2022 soliciting comments regarding the proposed Rebuild Project (see [Attachment 2](#)).

C. Discharge of Cooling Waters

No discharge of cooling waters is associated with the Rebuild Project.

D. Tidal and Non-tidal Wetlands

No tidal wetlands were identified within the proposed Rebuild Project area.

Wetlands Impact Consultation

A desktop wetlands review of the transmission line corridor evaluating potential impacts to wetlands and streams from the Rebuild Project was prepared by Stantec Consulting Services, Inc. (“Stantec”) in June 2022. A copy of the desktop evaluation report is provided in [Attachment 2.D.1](#). Based on a review of several desktop resources including National Wetlands Inventory mapping, current and historic aerial photography, USGS quadrangle maps, and soil surveys were used to evaluate the approximate limits of wetlands and surface waters. Probable wetland areas within the transmission right-of-way were identified and assigned a probability ranking ranging from high to low using criteria that are specified in the evaluation report. Due to the difficulty of determining whether wetlands are either palustrine emergent wetlands (“PEM”) or palustrine scrub-shrub (“PSS”) using desktop resources, these Cowardin wetland types are combined in the results. The results of the evaluation are summarized below and detailed in [Attachment 2.D.1](#).

Table 1. Jurisdictional Resources Within Rebuild Project Right-of-Way

PEM/PSS Wetland Probability			Open Water (acres)	Stream Channels Acres (LF)
High (acres)	Medium (acres)	Low (acres)		
15.89	25.29	13.27	0.09	1.53 (13,187)

Approximately 54.45 acres of potential wetlands were identified within the right-of-way based on the desktop evaluation. Additionally, approximately 0.09 acre of potential open water and 1.53 acres (13,187 linear feet) of potential stream channel were identified. Prior to construction, the Company will obtain any necessary permits to impact jurisdictional resources. A field delineation using methods outlined in the *1987 Corps of Engineers Delineation Manual* and the *2012 Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Eastern Mountain and Piedmont Region* (Version 2.0) will be conducted within the entire right-of-way and submitted to the Corps as part of the permitting process.

The Company sent a letter to the Corps in June 2022 soliciting comments regarding the proposed Rebuild Project (see [Attachment 2](#)). The Corps responded regarding the proposed Rebuild Project via email dated June 23, 2022. See [Attachment 2.D.2](#).

E. Floodplains

As depicted on the Federal Emergency Management Agency's online Flood Insurance Rate Maps #51061C0475C (eff. Feb. 6, 2008); #5151153C0275D (eff. Jan. 1, 1995), #51153C0170D (eff. Jan. 5, 1995), #51153C0190D (eff. Jan. 5, 1995), #51153C0300D (eff. Jan. 5, 1995), #51153C0193D (eff. Jan. 5, 1995), #51153C0194D (eff. Jan. 5, 1995), and #51153C0213D (eff. Jan. 5, 1995), the Rebuild Project area lies within Zone X (areas of minimal flood hazard), Zone AE (areas within the 100-year floodplain with an established base flood elevation and a regulatory floodway), and Zone A (areas within the 100-year floodplain with no established base flood elevation). While temporary grading and timbermats may be used within the 100-year floodplain, no permanent fill will be placed within the 100-year floodplain. Several structures will need to be rebuilt within the 100-year floodplain; however, none of these structures are located within the regulatory floodway. The Company will coordinate with the local floodplain coordinators as required.

F. Solid and Hazardous Waste

On behalf of the Company, Stantec conducted database searches for solid and hazardous wastes and petroleum release sites within a 0.5-mile radius (the "search radius") of the proposed Rebuild Project to identify sites that may impact the Rebuild Project. The results are summarized in a report included as [Attachment 2.F.1](#).

Stantec obtained publicly available data from the Environmental Protection Agency (“EPA”) Facility Registry System, which provides information about facilities, sites, or places subject to environmental regulation or of environmental interest. Although this data set includes all sites subject to environmental regulation by the EPA or other state authority, such as sites that fall under air emissions or wastewater programs, the results reported here only include those sites which fall under the EPA’s hazardous waste, solid waste, remediation, and underground storage tank programs. These sites include Comprehensive Environmental Response, Compensation, and Liability Act (“CERCLA”)/Superfund; Resource Conservation and Recovery Act (“RCRA”); and brownfield sites. Per this database, there are six registered RCRA sites present within a 0.5-mile radius of the Rebuild Project. Two of these sites are inactive, and none of these sites are documented within the Rebuild Project right-of-way. The nearest site is the Prince William City Department of Public Works, located 1,135 feet from the Rebuild Project right-of-way. None of these sites are expected to be a concern for the Rebuild Project due to the distance and the nature of the sites.

The DEQ records were also searched for the presence of solid waste management facilities, Voluntary Remediation Program sites, and petroleum releases within 0.5 mile of the proposed Rebuild Project. Two solid waste permit sites were identified in the database search: Permit Numbers 900000000324 and 900000000239. These solid waste permit sites are located outside the right-of-way, 1,000 and 1,560 linear feet from the Rebuild Project area, respectively. Additionally, the systems associated with the permit are either closed or inactive. A total of 33 petroleum release sites were identified within the search radius with the closest site (PC Number 19993247) located approximately 75 linear feet from the Rebuild Project area. This release was reported in 1999, and the case was closed within one month. A review of the aerial imagery reveals the right-of-way appears to cross areas of the waste management facility. The NOVEC – Independent Hill petroleum release site (PC Number 20003221) is located 75 linear feet from the Rebuild Project area; however, this site was closed in 2003 and appears to be offsite at the adjacent delivery point. No other petroleum release sites identified within 0.5 mile of the proposed Rebuild Project intersect with the right-of-way and none of the sites remain open. The Company has a procedure in place to handle petroleum contaminated soil, if encountered; however, as all the release sites are located outside of the Rebuild Project area, none of the petroleum release sites are expected to have an impact on the proposed Rebuild Project. A table listing these sites is included as part of Attachment 2.F.1.

In summary, a total of 33 petroleum release sites, two solid waste permit sites, and six RCRA sites are located within a 0.5-mile radius of the Rebuild Project area. Two petroleum release sites are documented as being located within the right-of-way; however, both sites have been closed and are not expected to have an impact on the proposed Rebuild Project. No EPA registered brownfield sites, or CERCLA/Superfund sites are located within 0.5 mile of the Rebuild Project area.

G. Natural Heritage, Threatened and Endangered Species

On behalf of the Company, Stantec conducted online database searches for threatened and endangered species in the vicinity of the Rebuild Project, including the U.S. Fish and Wildlife (“USFWS”) Information, Planning, and Consultation (“IPaC”) system, the Virginia Department of Wildlife Resources (“DWR”) Virginia Fish and Wildlife Information Service (“VAFWIS”), Virginia Department of Conservation and Recreation (“DCR”), Natural Heritage Data Explorer (“NHDE”), and the Center for Conservation Biology (“CCB”) Bald Eagle Nest and Roost Locator. The results are summarized in a report, included as [Attachment 2.G.1](#), and are presented in the table below.

Table 2. Threatened and endangered species within the project vicinity

Species	Status	Database	Result
Indiana bat (<i>Myotis sodalis</i>)	FE SE	USFWS-IPaC	Identified as potentially occurring within or near the Rebuild Project. No known hibernacula or maternity roost trees within the vicinity of the project. The Rebuild Project will generally occur within an existing, cleared, and maintained right-of-way; however, limited removal of danger trees may be necessary. The Company plans to adhere to the time-of-year-restriction for “pup season” (June 1 – July 31). Given that no Indiana bat hibernacula or maternity roost trees occur in the vicinity of the Rebuild Project, no impacts are expected.
Northern long-eared bat (<i>Myotis septentrionalis</i>)	FT ST	USFWS-IPaC, DWR-NLEB Winter Habitat and Roost Tree Map	Identified as potentially occurring within or near the Rebuild Project. No known hibernacula or maternity roost trees were identified within the vicinity of the Rebuild Project. Limited removal of danger trees may be necessary during the project. The Rebuild Project will generally occur within an existing, cleared, and maintained right-of-way; however, limited removal of danger trees may be necessary. Given that no northern long-eared bat hibernacula or maternity roost trees occur in the vicinity, no impacts are expected. To the extent that impacts may be possible, the Company would plan to rely upon and comply with the 4(d) Rule.
Dwarf wedgemussel (<i>Alasmidonta heterodon</i>)	FE SE	USFWS-IPaC	Identified as potentially occurring within or near the Rebuild Project. This species typically inhabits freshwater streams with slow to moderate current and little silt deposition. The mussel occurs on stream-bottom substrate, including muddy sand, sand, and gravel bottoms. No in-stream work will be required for the Rebuild Project and erosion and sediment controls will be utilized to prevent runoff. Therefore, the Rebuild Project is not anticipated to adversely affect the dwarf wedgemussel.

Species	Status	Database	Result
Monarch butterfly (<i>Danaus plexippus</i>)	FC	USFWS-IPaC	Identified as potentially occurring within or near the Rebuild Project. This species is a nectivorous insect preferring a variety of habitats including rangelands, meadows, riparian areas, farms, and open forests. No agency coordination for federal candidate species is required; therefore, no further action is required for this species.
Small whorled pogonia (<i>Isotria medeoloides</i>)	FT SE	USFWS-IPaC, DCR-NHDE	Identified as potentially occurring near the Rebuild Project. This species grows in moist areas with beech and hickory overstory, and a generally open understory. The Rebuild Project will generally occur within an existing, cleared, and maintained right-of-way; therefore, the Rebuild Project is not anticipated to adversely affect the small whorled pogonia.
Virginia piedmont water boatman (<i>Sigara depressa</i>)	SE	DCR-NHDE	Identified as potentially occurring near the Rebuild Project area. The Virginia piedmont water boatman is an aquatic insect species endemic to several counties in Virginia. No in-stream work is proposed, and erosion and sediment control measures will be used to prevent runoff. Therefore, the Rebuild Project is not anticipated to adversely affect the Virginia piedmont water boatman.
Bald eagle (<i>Haliaeetus leucocephalus</i>)	Bald and Golden Eagle Protection Act	CCB	No bald eagle nests are located within 660 feet of the Rebuild Project. The bald eagle prefers open bodies of water surrounded by tall trees but can also be found in forested areas away from waterbodies. Therefore, the Rebuild Project is not anticipated to adversely affect the bald eagle.

Note: FE denotes species is federally endangered; FT denotes species is federally threatened; FC denotes federal candidate species; SE denotes species is state endangered; ST denotes species is state threatened.

Indiana Bat

The federally and state endangered Indiana bat has been identified by the USFWS-IPaC as potentially occurring within or near the Rebuild Project. The Indiana bat typically inhabits caves during the winter months while roosting under the peeling bark of dead and dying trees along streams and rivers in the summer. The Rebuild Project will occur within an existing maintained transmission line right-of-way; however, limited removal of trees during construction access and removal of danger trees may be necessary. The Company plans to adhere to the time-of-year-restriction for “pup season” (June 1 – July 31). Given that no Indiana bat hibernacula or maternity roost trees occur in the vicinity of the Rebuild Project, no impacts are expected.

Northern Long-eared Bat

The federally and state threatened northern long-eared bat has been identified by the USFWS-IPaC and DWR-VAFWIS databases as potentially occurring within the

vicinity of the Rebuild Project; however, DWR records indicate that no known hibernacula or maternity roost trees occur within the vicinity of the proposed Rebuild Project. The northern long-eared bat is typically found in intact forest habitats with mixed hardwoods and often nests in and breeds in tree hollows and in woody debris (Source: NatureServe). The Rebuild Project will occur within an existing maintained transmission line right-of-way; however, limited removal of trees during construction access and removal of danger trees may be necessary. Given that no northern long-eared bat hibernacula or maternity roost trees occur in the vicinity, no impacts are expected. To the extent that impacts may be possible, the Company would plan to rely upon and comply with the 4(d) Rule.

Dwarf Wedgemussel

The federally and state endangered dwarf wedgemussel has been identified by the USFWS-IPaC as potentially occurring within or near the Rebuild Project. The species typically inhabits streams with slow to moderate current and little silt deposition. Given that no in-stream work is expected in association with the Rebuild Project, no impacts are expected to the dwarf wedgemussel.

Monarch Butterfly

The monarch butterfly (a Federal Candidate Species) has been identified by the USFWS-IPaC as potentially occurring within or near the Rebuild Project. This species is a nectivorous insect preferring a variety of habitats including rangelands, meadows, riparian areas, farms, and open forests. No agency coordination for federal candidate species is required; therefore, no further action is required for this species.

Small Whorled Pogonia

The federally threatened and state endangered small whorled pogonia has been identified by the DCR-NHDE as potentially occurring near the Rebuild Project. This species grows in moist areas with beech and hickory overstory, and a generally open understory. The Rebuild Project will generally occur within an existing, cleared, and maintained right-of-way; therefore, the Rebuild Project is not anticipated to adversely affect the small whorled pogonia.

Virginia Piedmont Water Boatman

The state endangered Virginia piedmont water boatman has been identified by the DCR-NHDE as potentially occurring near the Rebuild Project. The Virginia piedmont water boatman is an aquatic insect species endemic to several counties in Virginia. No in-stream work is proposed, and erosion and sediment control measures will be used to prevent runoff. Therefore, the Rebuild Project is not anticipated to adversely affect the Virginia piedmont water boatman.

Bald Eagle

There are no bald eagle nests or roosts located within the vicinity of the Rebuild Project; therefore, no adverse impacts to this species are expected.

The Company requested comments from the USFWS and DWR, and DCR regarding the proposed Rebuild Project in June 2022 (see [Attachment 2](#)). The Company had previously requested a natural heritage environmental review from DCR and received a response on February 4, 2022, included as [Attachment 2.G.2](#). The Company received a response from DWR on July 28, 2022, included as [Attachment 2.G.3](#).

As the Company will obtain all necessary permits prior to construction, such as authorization from the VMRC, DEQ, and the Corps, coordination with the DWR, DCR, and USFWS will take place through the respective permit processes to avoid and minimize impacts to listed species, to the extent there are any.

Natural Heritage Resources

An initial project review of the DCR Natural Heritage Data Explorer identified natural heritage resources within the Rebuild Project area. The Company submitted the Rebuild Project to DCR for a more detailed review. The response from DCR was received on February 4, 2022 and is included as [Attachment 2.G.2](#).

New and updated information is continually added to the DCR's Biotics database. Following the DCR-DNH SCC planning stage project review, the Company will re-submit project information with a completed information services order form and a map or submit the project on-line through the Natural Heritage Data Explorer. This review will occur during the final stage of engineering and upon any major modifications of the project during construction (*i.e.*, deviations, permanent, or temporary, from the original study area and/or the relocation of a structure(s) into sensitive areas) for an update on natural heritage information and coordination of potential project modifications to avoid and minimize impacts to natural heritage resources.

H. Erosion and Sediment Control

The DEQ approved the Company's *Standards & Specification for Erosion & Sediment Control and Stormwater Management for Construction of Linear Electric Transmission Facilities (TE VEP 8000)*. These specifications are given to the Company's contractors and require erosion and sediment control measures to be in place before construction on the proposed Rebuild Project begins and specifies the requirements for rehabilitation of the right-of-way. A copy of the current DEQ approval letter dated August 13, 2019, is provided as [Attachment 2.H.1](#). According to the approval letter, coverage was effective through August 12, 2020. The Company submitted the renewal application on August 3, 2020, and is awaiting approval.

I. Archaeological, Historic, Scenic, Cultural or Architectural Resources

Stantec was retained by the Company to conduct a Stage I Pre-Application Analysis (“Stage I Analysis”) for the proposed Rebuild Project. Preliminary background research was conducted pursuant to the *Guidelines for Assessing Impacts of Proposed Electric Transmission Lines and Associated Facilities on Historic Resources in the Commonwealth of Virginia* (DHR 2008) for proposed transmission line improvements. As detailed by Virginia Department of Historic Resources (“VDHR”) guidance, consideration was given to: National Historic Landmark (“NHL”) properties located within a 1.5-mile radius of the Rebuild Project centerline; National Register of Historic Places (“NRHP”) listed properties, battlefields, and historic landscapes located within a 1.0-mile radius of the Rebuild Project centerline; NRHP-eligible sites located within a 0.5-mile radius of the Rebuild Project centerline; and archaeological sites located within the Rebuild Project right-of-way. The Stage I Analysis was submitted to VDHR on July 29, 2022. See Attachment 2.I.1.

Archaeological Resources

Four previously recorded archaeological resources were identified within the Rebuild Project right-of-way. One of these sites, 44PW0962, is eligible for listing on the NRHP. Two sites (44FQ0284 and 44PW1837) have been determined not eligible for listing on the NRHP by VDHR. Site 44PW0915 is currently not evaluated. All sites will be evaluated during archaeological survey of the Rebuild Project area.

Table 3. Previously Recorded Archeological Resources Considered under the Stage I Pre-Application Guidelines

VDHR #	Resource Name	VDHR/NRHP Status	Distance to ROW (Feet)	Impact
44FQ0284	Farmstead, 19 th Century: 4 th quarter (1875-1899), 20 th Century: 1 st half (1900-1949)	Not Eligible	0	Investigate During Archaeological Survey
44PW1837	Farmstead, 19 th Century: 4 th quarter (1875-1899), 20 th Century: 1 st half (1900-1949)	Not Eligible	0	Investigate During Archaeological Survey
44PW0962	Berryman Mill Site, 19 th Century (1800-1899)	Eligible	0	Investigate During Archaeological Survey
44PW0915	Farmstead, 19 th Century (1800-1899), 20 th Century: 1 st half (1900-1949)	Not Evaluated	0	Investigate During Archaeological Survey

Architectural Resources

No NHL-listed architectural resources are located within the 1.5-mile radius of the Rebuild Project centerline. Four NRHP-listed resources are located within 1.0 mile and one NRHP-eligible resource was identified within 0.5 mile of the Rebuild Project centerline.

Based upon the proposed changes to structure heights, the similar heights of the existing Line #539 in the same right-of-way, and the position of the project within the landscape, it is anticipated that the Rebuild Project will have no impact to historic properties with no view of the Rebuild Project, and a minimal impact to two historic properties that will view the Rebuild Project, as shown in the table below. A third historic property, Elk Run Rural Historic District, will view the Rebuild Project and have minimal to moderate impacts. The Company expects that additional analysis during a Stage II evaluation will be required to determine whether impacts to the Elk Run Rural Historic District are minimal or moderate. Consistent with its customary practice, the Company will coordinate with VDHR regarding the findings of the Stage I Analysis.

Table 4. Previously Recorded Architectural Resources Considered under the Stage I Pre-Application Guidelines

VDHR #	Resource Name	VDHR/NRHP Status	Distance to Closest Raised Structure (Feet)	Impacts
030-5161	Bristersburg Historic District	NRHP-Listed	4,487	None
030-5588	Elk Run Rural Historic District	NRHP-Eligible	0	Minimum to Moderate
076-0001	Bel Air, 14513 General Washington Drive	NRHP-Listed	782	None*
076-0006	Effingham Plantation, 14050 Aden Road	NRHP-Listed	3,998	Minimal
076-0299	Chopawamsic Recreational Demonstration Area/Prince William Forest Park Historic District	NRHP-Listed	0	Minimal

The Company requested comments from the VDHR regarding the proposed Rebuild Project in June 2022 (see [Attachment 2](#)). The Company received a response letter from VDHR dated July 18, 2022. See [Attachment 2.I.2](#).

J. Chesapeake Bay Preservation Areas

The portion of the Rebuild Project located within Prince William County is subject to the Chesapeake Bay Preservation Act. However; construction, installation, operation, and maintenance of electric transmission lines are conditionally exempt from the Chesapeake Bay Preservation Act as stated in the exemption for public

utilities, railroads, public roads, and facilities in 9 VAC 25-830-150. The Company will meet those conditions.

The Company sent a letter to DEQ in June 2022 soliciting comments regarding the proposed Rebuild Project (see [Attachment 2](#)). The Company received a response from DEQ dated June 28, 2022, which provided comments regarding consistency with the provisions of the Chesapeake Bay Preservation Area Designation and Management Regulations. See [Attachment 2.J.1](#).

K. Wildlife Resources

Relevant agency databases were reviewed and requests for comments from the USFWS, DWR, and DCR were submitted to determine if the proposed Rebuild Project has the potential to affect any threatened or endangered species, as described in Section 2.G and included as [Attachment 2.G.1](#). As discussed in Section 2.G and identified in [Attachment 2.G.1](#), certain federal and state listed species were identified as potentially occurring in the Rebuild Project area. The Company will coordinate with the USFWS, DWR, and DCR as appropriate to determine whether additional surveys are necessary and to minimize impacts on wildlife resources. Since the proposed Rebuild Project is a rebuild of a transmission line within existing right-of-way, no loss of wildlife habitat is anticipated.

Dominion Energy Virginia would further minimize potential effects by avoiding trees favorable for bat maternity roosting locations and cutting trees and vegetation during the time-of-year restriction from April 15–August 15 to avoid nesting birds and bat maternity roosting locations, to the extent practicable.

L. Recreation, Agricultural and Forest Resources

The Rebuild Project is expected to have minimal permanent impacts on recreational, agricultural, and forest resources since no additional right-of-way is required. From Structure #183/12 to Dumfries Road, Line #183 passes through rural land and open space associated with Marine Corps Base Quantico and Prince William Forest Park. From Dumfries Road to Structure #183/134 the Rebuild Project area is suburban.

Prime farmland, as defined by the U.S. Department of Agriculture, is land that has the best combination of physical and chemical characteristics for producing food, feed, forage, fiber, and oilseed crops and is available for these uses. Land can also be considered prime farmland if subject to certain management practices such as drainage and irrigation. Land that does not meet the criteria for prime farmland can be considered to be “farmland of statewide importance.” The criteria for defining and delineating farmland of statewide importance are determined by the Virginia Department of Agriculture and Consumer Services. Generally, this land includes areas of soils that nearly meet the requirements for prime farmland and that economically produce high yields of crops when treated and managed according to acceptable farming methods. Other areas that are not identified as having national or statewide importance can be considered to be “farmland of local importance.” This

farmland is identified by the appropriate local agencies. Farmland of local importance may include tracts of land that have been designated for agriculture by local ordinance. A total of 116.47 acres of prime farmland, 6.89 acres of prime farmland when certain land management is applied, and 83.69 acres of farmland of statewide importance occurs within the right-of-way encompassing the Rebuild Project.

Fauquier and Prince William Counties do not have designated farmlands of local importance. The Fauquier County and Prince William County Comprehensive Plans identify agricultural and forestal districts, which are authorized by Va. Code § 15.2-4312. Fauquier County has established 13 Agricultural and Forestal Districts, and Prince William County has one Agricultural and Forestal District. The existing right-of-way associated with the Rebuild Project traverses four parcels associated with the Southern Fauquier Agricultural and Forestal District. The closest parcel associated with the Prince William County Agricultural and Forestal District, AFD91-1, is located approximately 0.3 mile from the Rebuild Project.

Farming operations currently exist within the Company easement; however, the Company utilizes timber mats to access transmission structures within agricultural fields, and pads for structure erection. These will minimize the impact to the soil, result in only a temporary impact, thereby avoiding permanent impacts to farmlands from construction access. The Company will work with landowners on final structure placement to minimize the effect on farming operations. As such, prime farmland and agricultural and forestal districts should not be incrementally impacted by the construction of the Rebuild Project. Therefore, the Rebuild Project is not expected to affect agricultural land.

The existing right-of-way does not cross any federal or state, game preserves, Wildlife Management Areas, Conservation Sites, Managed Conservation Lands, or Virginia Outdoors Foundation (“VOF”) conservation easements. The Rebuild Project does cross through less than one mile of the Prince William Forest Park, which is managed by the National Park Service. No recreational facilities such as trails, picnic areas, or camping areas are located within the vicinity of the transmission line crossing.

The Virginia Scenic Rivers Act seeks to identify, designate, and protect rivers and streams that possess outstanding scenic, recreational, historic, and natural characteristics of statewide significance for future generations. There are no rivers designated as a scenic river within the vicinity of the Rebuild Project.

The existing transmission line right-of-way is regularly maintained to keep vegetation at the emergent and scrub-shrub level for the safe operation of the existing facilities. Since no forested areas exist within the existing right-of-way, no impact to forestland is expected. However, the Rebuild Project may require some trimming of tree limbs along the right-of-way edges to support construction activities. Trees and brush located within 100 feet of streams will be cleared by hand in accordance with the Company approved Erosion and Sediment Control specifications.

Any tree along the right-of-way that is tall enough to endanger the conductors if it were to break at the stump or uproot and fall directly towards the conductors and exhibits signs or symptoms of disease or structural defect that make it an elevated risk for falling will be designated as a “danger tree” and may be removed. The Company’s arborist will contact the property owner if possible before any danger trees are cut, except in emergency situations. The Company’s Forestry Coordinator will field inspect the right-of-way and designate any danger trees present. Qualified contractors working in accordance with the Company’s Electric Transmission specifications will perform all danger tree cutting. The Rebuild Project is expected to have minimal, if any, impact on agricultural or forest resources as the proposed Rebuild Project involves rebuilding a portion of an existing line which is already cleared and maintained for existing facility operation.

The Company sent letters to VOF and DOF in June 2022 soliciting comments regarding the proposed Rebuild Project (see [Attachment 2](#)). The Company received responses from VOF regarding the Rebuild Project dated June 24, 2022, and June 29, 2022, in which the VOF noted that there are not any existing or proposed VOF open space easements in the immediate vicinity of the Rebuild Project. Copies of these responses are included as [Attachment 2.L.1](#) and [Attachment 2.L.2](#). The Company received a response from DOF dated June 23, 2022. A copy of this response is included as [Attachment 2.L.3](#).

M. Use of Pesticides and Herbicides

Of the techniques available, selective foliar is the preferred method of herbicide application. The Company typically maintains transmission line rights-of-way by means of selective, low volume applications of EPA approved, non-restricted use herbicides. The goal of this method is to exclude tall growing brush species from the right-of-way by establishing early successional plant communities of native grasses, forbs, and low growing woody vegetation. “Selective” application means the Company sprays only the undesirable plant species (as opposed to broadcast applications). “Low volume” application means the Company uses only the volume of herbicide necessary to remove the selected plant species. The mixture of herbicides used varies from one cycle to the next to avoid the development of resistance by the targeted plants. There are four means of dispersal available to the Company, including by-hand application, backpack, fixed nozzle-radiarc, and aerial. However, very little herbicide dispersal is done by aerial equipment. The Company uses licensed contractors to perform this work that are either certified applicators or registered technicians in the Commonwealth of Virginia.

DEQ has previously requested that only herbicides approved for aquatic use by the EPA or the USFWS be used in or around any surface water. The Company intends to comply with this request.

N. Geology and Mineral Resources

According to the Virginia Department of Mines, Minerals, and Energy (“DMME”) Division of Geology and Mineral Resources Interactive Geologic Map, the Rebuild Project sits atop portions of phyllite, Lake Jackson pluton, Occoquan granite, and Lunga Reservoir Formation, and three Newark Supergroups, which consist of (1) sandstone, siltstone and shale, interbedded, (2) sandstone, undifferentiated, and (3) conglomerate, mixed clasts. There are no known karst formations within the vicinity.

According to the USGS topographic maps and aerial imagery, there are no active mines or stone quarries within the proposed Rebuild Project right-of-way. A search of the DMME Mineral Mining online map confirms there are no active or abandoned mines within the right-of-way. There is one site, Greenwood Prospect (DMME98187) approximately 0.3 mile from the Rebuild Project. Mines within 0.5 mile of the Rebuild Project are provided in the table below.

The Rebuild Project is located within a cleared and maintained right-of-way and no active mines are located within the right-of-way. As such, the Rebuild Project will not negatively affect the geology, any mineral resources, or the identified mines.

Table 5. Mines within 0.5 Mile of the Rebuild Project

Mine ID	Mineral	Status	Latitude	Longitude
DMM98187	Gold	Reclaimed	38.63028	-77.43250

O. Transportation Infrastructure

The existing right-of-way to be used for the proposed Rebuild Project crosses multiple roads in Prince William and Fauquier County. Roads within the Rebuild Project area are low to moderate traffic volume roads. The Company plans to apply for land use permits from the Virginia Department of Transportation (“VDOT”) for the aerial crossings of VDOT maintained roads and any construction entrances from the VDOT right-of-way. All permits will be obtained prior to construction. In June 2022, the Company requested comments from VDOT (see [Attachment 2](#)). VDOT followed up with the Company regarding the Rebuild Project in two email communications dated June 23, 2022. See [Attachment 2.O.1](#) and [Attachment 2.O.2](#).

In an email dated June 23, 2022, the Virginia Department of Aviation (the “DOAv”) stated that after review, it was determined that the proposed Rebuild Project is beyond within 20,000 linear feet of a public use or military airport. This email is provided as [Attachment 2.O.3](#). The DOAv commented that a Form 7460 must be submitted to the FAA if any proposed transmission structures or the crane that will be used to remove or replace the structures will reach a height of 200 feet above the ground level (“agl”). The Company will file Form 7460 with the FAA for each proposed structure or crane that will exceed 200 feet agl.

Finally, the Company has reviewed the FAA website (<https://oeaaa.faa.gov/oeaaa/external/portal.jsp>) to identify airports within 10 nautical miles of the Rebuild Project; the following airports were identified:

- Warrenton/Fauquier Airport, approximately 5.5 miles west of Line 183
- Manassas Regional Airport, approximately 5.0 miles north of Line #183
- Quantico Marine Corps Airfield (Turner Field), approximately 9.1 miles southeast of Line #183
- Davison Army Airfield (Fort Belvoir), approximately 8.8 miles northeast of Structure #183/134

The Company will coordinate with VDOT, DOAv, and the FAA as necessary to obtain all appropriate permits.

Attachments

Dominion Energy Services, Inc.
120 Tredegar Street
Richmond, VA 23219
DominionEnergy.com



June 22, 2022

BY EMAIL

Mr. Troy Andersen
US Fish and Wildlife Service
Ecological Services Virginia Field Office
6669 Short Lane
Gloucester, Virginia 23061

RE: Dominion Energy Virginia's Proposed Line #183 Partial Rebuild Project, Fauquier and Prince William Counties, Virginia

Dear Mr. Andersen,

Dominion Energy Virginia (the "Company") is proposing to partially rebuild the existing 115 kV Bristers-Ox Line #183 (the "Rebuild Project") within Fauquier and Prince William Counties, Virginia. The Rebuild Project is necessary to replace aging infrastructure that is at the end of its service life in order to ensure that Dominion Energy Virginia can continue to meet customer needs and maintain reliable electric service for the overall growth in the area in compliance with mandatory North American Electric Reliability Corporation Reliability Standards and the Company's mandatory electric transmission planning criteria.

Specifically, the Company proposes as part of this Rebuild Project to rebuild an approximately 15-mile segment of the Company's existing 23.6-mile 115 kV Line #183 between Structure #183/12 and Structure #183/134 with standard 230 kV construction. The Rebuild Project will include replacement of structures, as well conductors and shield wire, within the existing right-of-way along this segment of Line #183. Additionally, the Company plans to replace the existing conductors and shield wire on Line #183 between Structure #183/12 and the Bristers Substation as part of the Rebuild Project.

The Company is in the process of preparing an application for a certificate of public convenience and necessity from the State Corporation Commission ("SCC"). At this time, in advance of an SCC filing, the Company respectfully requests that you submit any comments or additional information that would have bearing on the proposed Rebuild Project within 30 days of the date of this letter.

If you would like to receive a GIS shapefile of the transmission line routes to assist in the project review or if there are any questions, please do not hesitate to contact James P. Young at (804) 426-6648 or james.p.young@dominionenergy.com.

We appreciate your assistance with this project review and look forward to any additional information you may have to offer.

Sincerely,

Dominion Energy Virginia

A handwritten signature in black ink, appearing to read "J. Ericson", written over a light blue horizontal line.

Jason P. Ericson
Director, Environmental Services

Attachment: Project Notice Map

Dominion Energy Services, Inc.
120 Tredegar Street
Richmond, VA 23219
DominionEnergy.com



June 22, 2022

BY EMAIL

Mr. Karl Didier, PhD
Forestland Conservation Division
Virginia Department of Forestry
900 Natural Resources Drive, Suite 800
Charlottesville, Virginia 22903

RE: Dominion Energy Virginia's Proposed Line #183 Partial Rebuild Project, Fauquier and Prince William Counties, Virginia

Dear Mr. Didier,

Dominion Energy Virginia (the "Company") is proposing to partially rebuild the existing 115 kV Bristers-Ox Line #183 (the "Rebuild Project") within Fauquier and Prince William Counties, Virginia. The Rebuild Project is necessary to replace aging infrastructure that is at the end of its service life in order to ensure that Dominion Energy Virginia can continue to meet customer needs and maintain reliable electric service for the overall growth in the area in compliance with mandatory North American Electric Reliability Corporation Reliability Standards and the Company's mandatory electric transmission planning criteria.

Specifically, the Company proposes as part of this Rebuild Project to rebuild an approximately 15-mile segment of the Company's existing 23.6-mile 115 kV Line #183 between Structure #183/12 and Structure #183/134 with standard 230 kV construction. The Rebuild Project will include replacement of structures, as well conductors and shield wire, within the existing right-of-way along this segment of Line #183. Additionally, the Company plans to replace the existing conductors and shield wire on Line #183 between Structure #183/12 and the Bristers Substation as part of the Rebuild Project.

The Company is in the process of preparing an application for a certificate of public convenience and necessity from the State Corporation Commission ("SCC"). At this time, in advance of an SCC filing, the Company respectfully requests that you submit any comments or additional information that would have bearing on the proposed Rebuild Project within 30 days of the date of this letter.

If you would like to receive a GIS shapefile of the transmission line routes to assist in the project review or if there are any questions, please do not hesitate to contact James P. Young at (804) 426-6648 or james.p.young@dominionenergy.com.

We appreciate your assistance with this project review and look forward to any additional information you may have to offer.

Sincerely,

Dominion Energy Virginia

A handwritten signature in black ink, appearing to read "JP Ericson", written over a light blue horizontal line.

Jason P. Ericson
Director, Environmental Services

Attachment: Project Notice Map

Dominion Energy Services, Inc.
120 Tredegar Street
Richmond, VA 23219
DominionEnergy.com



June 22, 2022

BY EMAIL

Mr. Mark Eversole
Habitat Management Division
Virginia Marine Resources Commission
Building 96, 380 Fenwick Road
Fort Monroe, Virginia 23651

RE: Dominion Energy Virginia's Proposed Line #183 Partial Rebuild Project, Fauquier and Prince William Counties, Virginia

Dear Mr. Eversole,

Dominion Energy Virginia (the "Company") is proposing to partially rebuild the existing 115 kV Bristers-Ox Line #183 (the "Rebuild Project") within Fauquier and Prince William Counties, Virginia. The Rebuild Project is necessary to replace aging infrastructure that is at the end of its service life in order to ensure that Dominion Energy Virginia can continue to meet customer needs and maintain reliable electric service for the overall growth in the area in compliance with mandatory North American Electric Reliability Corporation Reliability Standards and the Company's mandatory electric transmission planning criteria.

Specifically, the Company proposes as part of this Rebuild Project to rebuild an approximately 15-mile segment of the Company's existing 23.6-mile 115 kV Line #183 between Structure #183/12 and Structure #183/134 with standard 230 kV construction. The Rebuild Project will include replacement of structures, as well conductors and shield wire, within the existing right-of-way along this segment of Line #183. Additionally, the Company plans to replace the existing conductors and shield wire on Line #183 between Structure #183/12 and the Bristers Substation as part of the Rebuild Project.

The Company is in the process of preparing an application for a certificate of public convenience and necessity from the State Corporation Commission ("SCC"). At this time, in advance of an SCC filing, the Company respectfully requests that you submit any comments or additional information that would have bearing on the proposed Rebuild Project within 30 days of the date of this letter.

If you would like to receive a GIS shapefile of the transmission line routes to assist in the project review or if there are any questions, please do not hesitate to contact James P. Young at (804) 426-6648 or james.p.young@dominionenergy.com.

We appreciate your assistance with this project review and look forward to any additional information you may have to offer.

Sincerely,

Dominion Energy Virginia

A handwritten signature in black ink, appearing to read "JP Ericson", written over a light blue horizontal line.

Jason P. Ericson
Director, Environmental Services

Attachment: Project Notice Map

Dominion Energy Services, Inc.
120 Tredegar Street
Richmond, VA 23219
DominionEnergy.com



June 22, 2022

BY EMAIL

Ms. Amy M. Ewing
Virginia Department of Wildlife Resources
P.O. Box 90778
Henrico, Virginia 23228

RE: Dominion Energy Virginia's Proposed Line #183 Partial Rebuild Project, Fauquier and Prince William Counties, Virginia

Dear Ms. Ewing,

Dominion Energy Virginia (the "Company") is proposing to partially rebuild the existing 115 kV Bristers-Ox Line #183 (the "Rebuild Project") within Fauquier and Prince William Counties, Virginia. The Rebuild Project is necessary to replace aging infrastructure that is at the end of its service life in order to ensure that Dominion Energy Virginia can continue to meet customer needs and maintain reliable electric service for the overall growth in the area in compliance with mandatory North American Electric Reliability Corporation Reliability Standards and the Company's mandatory electric transmission planning criteria.

Specifically, the Company proposes as part of this Rebuild Project to rebuild an approximately 15-mile segment of the Company's existing 23.6-mile 115 kV Line #183 between Structure #183/12 and Structure #183/134 with standard 230 kV construction. The Rebuild Project will include replacement of structures, as well conductors and shield wire, within the existing right-of-way along this segment of Line #183. Additionally, the Company plans to replace the existing conductors and shield wire on Line #183 between Structure #183/12 and the Bristers Substation as part of the Rebuild Project.

The Company is in the process of preparing an application for a certificate of public convenience and necessity from the State Corporation Commission ("SCC"). At this time, in advance of an SCC filing, the Company respectfully requests that you submit any comments or additional information that would have bearing on the proposed Rebuild Project within 30 days of the date of this letter.

If you would like to receive a GIS shapefile of the transmission line routes to assist in the project review or if there are any questions, please do not hesitate to contact James P. Young at (804) 426-6648 or james.p.young@dominionenergy.com.

We appreciate your assistance with this project review and look forward to any additional information you may have to offer.

Sincerely,

Dominion Energy Virginia

A handwritten signature in black ink, appearing to read "J. Ericson", written over a light blue horizontal line.

Jason P. Ericson
Director, Environmental Services

Attachment: Project Notice Map

Dominion Energy Services, Inc.
120 Tredegar Street
Richmond, VA 23219
DominionEnergy.com



June 22, 2022

BY EMAIL

Ms. Rene Hypes
Virginia Department of Conservation and Recreation
Environmental Review Coordinator, Natural Heritage Program
600 East Main Street, Suite 1400
Richmond, Virginia 23219

RE: Dominion Energy Virginia's Proposed Line #183 Partial Rebuild Project, Fauquier and Prince William Counties, Virginia

Dear Ms. Hypes,

Dominion Energy Virginia (the "Company") is proposing to partially rebuild the existing 115 kV Bristers-Ox Line #183 (the "Rebuild Project") within Fauquier and Prince William Counties, Virginia. The Rebuild Project is necessary to replace aging infrastructure that is at the end of its service life in order to ensure that Dominion Energy Virginia can continue to meet customer needs and maintain reliable electric service for the overall growth in the area in compliance with mandatory North American Electric Reliability Corporation Reliability Standards and the Company's mandatory electric transmission planning criteria.

Specifically, the Company proposes as part of this Rebuild Project to rebuild an approximately 15-mile segment of the Company's existing 23.6-mile 115 kV Line #183 between Structure #183/12 and Structure #183/134 with standard 230 kV construction. The Rebuild Project will include replacement of structures, as well conductors and shield wire, within the existing right-of-way along this segment of Line #183. Additionally, the Company plans to replace the existing conductors and shield wire on Line #183 between Structure #183/12 and the Bristers Substation as part of the Rebuild Project.

The Company is in the process of preparing an application for a certificate of public convenience and necessity from the State Corporation Commission ("SCC"). At this time, in advance of an SCC filing, the Company respectfully requests that you submit any comments or additional information that would have bearing on the proposed Rebuild Project within 30 days of the date of this letter.

If you would like to receive a GIS shapefile of the transmission line routes to assist in the project review or if there are any questions, please do not hesitate to contact James P. Young at (804) 426-6648 or james.p.young@dominionenergy.com.

We appreciate your assistance with this project review and look forward to any additional information you may have to offer.

Sincerely,

Dominion Energy Virginia

A handwritten signature in black ink, appearing to read "J. Ericson", written over a light blue horizontal line.

Jason P. Ericson
Director, Environmental Services

Attachment: Project Notice Map

Dominion Energy Services, Inc.
120 Tredegar Street
Richmond, VA 23219
DominionEnergy.com



June 22, 2022

BY EMAIL

Ms. Bettina Rayfield, Manager
Office of Environmental Impact Review
Department of Environmental Quality, Central Office
PO Box 1105
Richmond, Virginia 23218

RE: Dominion Energy Virginia's Proposed Line #183 Partial Rebuild Project, Fauquier and Prince William Counties, Virginia

Dear Ms. Rayfield,

Dominion Energy Virginia (the "Company") is proposing to partially rebuild the existing 115 kV Bristers-Ox Line #183 (the "Rebuild Project") within Fauquier and Prince William Counties, Virginia. The Rebuild Project is necessary to replace aging infrastructure that is at the end of its service life in order to ensure that Dominion Energy Virginia can continue to meet customer needs and maintain reliable electric service for the overall growth in the area in compliance with mandatory North American Electric Reliability Corporation Reliability Standards and the Company's mandatory electric transmission planning criteria.

Specifically, the Company proposes as part of this Rebuild Project to rebuild an approximately 15-mile segment of the Company's existing 23.6-mile 115 kV Line #183 between Structure #183/12 and Structure #183/134 with standard 230 kV construction. The Rebuild Project will include replacement of structures, as well conductors and shield wire, within the existing right-of-way along this segment of Line #183. Additionally, the Company plans to replace the existing conductors and shield wire on Line #183 between Structure #183/12 and the Bristers Substation as part of the Rebuild Project.

The Company is in the process of preparing an application for a certificate of public convenience and necessity from the State Corporation Commission ("SCC"). At this time, in advance of an SCC filing, the Company respectfully requests that you submit any comments or additional information that would have bearing on the proposed Rebuild Project within 30 days of the date of this letter.

If you would like to receive a GIS shapefile of the transmission line routes to assist in the project review or if there are any questions, please do not hesitate to contact James P. Young at (804) 426-6648 or james.p.young@dominionenergy.com.

We appreciate your assistance with this project review and look forward to any additional information you may have to offer.

Sincerely,

Dominion Energy Virginia

A handwritten signature in black ink, appearing to read "J. Ericson", written over a light blue horizontal line.

Jason P. Ericson
Director, Environmental Services

Attachment: Project Notice Map

Dominion Energy Services, Inc.
120 Tredegar Street
Richmond, VA 23219
DominionEnergy.com



June 22, 2022

BY EMAIL

Ms. Robbie Rhur
Planning Bureau
Department of Conservation and Recreation
600 East Main Street, 17th Floor
Richmond, Virginia 23219

RE: Dominion Energy Virginia's Proposed Line #183 Partial Rebuild Project, Fauquier and Prince William Counties, Virginia

Dear Ms. Rhur,

Dominion Energy Virginia (the "Company") is proposing to partially rebuild the existing 115 kV Bristers-Ox Line #183 (the "Rebuild Project") within Fauquier and Prince William Counties, Virginia. The Rebuild Project is necessary to replace aging infrastructure that is at the end of its service life in order to ensure that Dominion Energy Virginia can continue to meet customer needs and maintain reliable electric service for the overall growth in the area in compliance with mandatory North American Electric Reliability Corporation Reliability Standards and the Company's mandatory electric transmission planning criteria.

Specifically, the Company proposes as part of this Rebuild Project to rebuild an approximately 15-mile segment of the Company's existing 23.6-mile 115 kV Line #183 between Structure #183/12 and Structure #183/134 with standard 230 kV construction. The Rebuild Project will include replacement of structures, as well conductors and shield wire, within the existing right-of-way along this segment of Line #183. Additionally, the Company plans to replace the existing conductors and shield wire on Line #183 between Structure #183/12 and the Bristers Substation as part of the Rebuild Project.

The Company is in the process of preparing an application for a certificate of public convenience and necessity from the State Corporation Commission ("SCC"). At this time, in advance of an SCC filing, the Company respectfully requests that you submit any comments or additional information that would have bearing on the proposed Rebuild Project within 30 days of the date of this letter.

If you would like to receive a GIS shapefile of the transmission line routes to assist in the project review or if there are any questions, please do not hesitate to contact James P. Young at (804) 426-6648 or james.p.young@dominionenergy.com.

We appreciate your assistance with this project review and look forward to any additional information you may have to offer.

Sincerely,

Dominion Energy Virginia

A handwritten signature in black ink, appearing to read "J. Ericson", written over a light blue horizontal line.

Jason P. Ericson
Director, Environmental Services

Attachment: Project Notice Map

Dominion Energy Services, Inc.
120 Tredegar Street
Richmond, VA 23219
DominionEnergy.com



June 22, 2022

BY EMAIL

Regulator of the Day
US Army Corps of Engineers
Norfolk District
803 Front Street
Norfolk, Virginia 23510

RE: Dominion Energy Virginia's Proposed Line #183 Partial Rebuild Project, Fauquier and Prince William Counties, Virginia

Dear Regulator of the Day,

Dominion Energy Virginia (the "Company") is proposing to partially rebuild the existing 115 kV Bristers-Ox Line #183 (the "Rebuild Project") within Fauquier and Prince William Counties, Virginia. The Rebuild Project is necessary to replace aging infrastructure that is at the end of its service life in order to ensure that Dominion Energy Virginia can continue to meet customer needs and maintain reliable electric service for the overall growth in the area in compliance with mandatory North American Electric Reliability Corporation Reliability Standards and the Company's mandatory electric transmission planning criteria.

Specifically, the Company proposes as part of this Rebuild Project to rebuild an approximately 15-mile segment of the Company's existing 23.6-mile 115 kV Line #183 between Structure #183/12 and Structure #183/134 with standard 230 kV construction. The Rebuild Project will include replacement of structures, as well conductors and shield wire, within the existing right-of-way along this segment of Line #183. Additionally, the Company plans to replace the existing conductors and shield wire on Line #183 between Structure #183/12 and the Bristers Substation as part of the Rebuild Project.

The Company is in the process of preparing an application for a certificate of public convenience and necessity from the State Corporation Commission ("SCC"). At this time, in advance of an SCC filing, the Company respectfully requests that you submit any comments or additional information that would have bearing on the proposed Rebuild Project within 30 days of the date of this letter.

If you would like to receive a GIS shapefile of the transmission line routes to assist in the project review or if there are any questions, please do not hesitate to contact James P. Young at (804) 426-6648 or james.p.young@dominionenergy.com.

We appreciate your assistance with this project review and look forward to any additional information you may have to offer.

Sincerely,

Dominion Energy Virginia

A handwritten signature in black ink, appearing to read "JP Ericson", written over a light blue horizontal line.

Jason P. Ericson
Director, Environmental Services

Attachment: Project Notice Map

Dominion Energy Services, Inc.
120 Tredegar Street
Richmond, VA 23219
DominionEnergy.com



June 22, 2022

BY EMAIL

Mr. Keith Tignor
Endangered Plant and Insect Species Program
Virginia Department of Agriculture and Consumer Affairs
102 Governor Street
Richmond, Virginia 23219

RE: Dominion Energy Virginia's Proposed Line #183 Partial Rebuild Project, Fauquier and Prince William Counties, Virginia

Dear Mr. Tignor,

Dominion Energy Virginia (the "Company") is proposing to partially rebuild the existing 115 kV Bristers-Ox Line #183 (the "Rebuild Project") within Fauquier and Prince William Counties, Virginia. The Rebuild Project is necessary to replace aging infrastructure that is at the end of its service life in order to ensure that Dominion Energy Virginia can continue to meet customer needs and maintain reliable electric service for the overall growth in the area in compliance with mandatory North American Electric Reliability Corporation Reliability Standards and the Company's mandatory electric transmission planning criteria.

Specifically, the Company proposes as part of this Rebuild Project to rebuild an approximately 15-mile segment of the Company's existing 23.6-mile 115 kV Line #183 between Structure #183/12 and Structure #183/134 with standard 230 kV construction. The Rebuild Project will include replacement of structures, as well conductors and shield wire, within the existing right-of-way along this segment of Line #183. Additionally, the Company plans to replace the existing conductors and shield wire on Line #183 between Structure #183/12 and the Bristers Substation as part of the Rebuild Project.

The Company is in the process of preparing an application for a certificate of public convenience and necessity from the State Corporation Commission ("SCC"). At this time, in advance of an SCC filing, the Company respectfully requests that you submit any comments or additional information that would have bearing on the proposed Rebuild Project within 30 days of the date of this letter.

If you would like to receive a GIS shapefile of the transmission line routes to assist in the project review or if there are any questions, please do not hesitate to contact James P. Young at (804) 426-6648 or james.p.young@dominionenergy.com.

We appreciate your assistance with this project review and look forward to any additional information you may have to offer.

Sincerely,

Dominion Energy Virginia

A handwritten signature in black ink, appearing to read "J. Ericson", written over a light blue horizontal line.

Jason P. Ericson
Director, Environmental Services

Attachment: Project Notice Map

Dominion Energy Services, Inc.
120 Tredegar Street
Richmond, VA 23219
DominionEnergy.com



June 22, 2022

BY EMAIL

Ms. Michelle Henicheck
Office of Wetlands and Streams
Department of Environmental Quality
1111 East Main Street, Suite 1400
Richmond, Virginia 23219

RE: Dominion Energy Virginia's Proposed Line #183 Partial Rebuild Project, Fauquier and Prince William Counties, Virginia

Dear Ms. Henicheck,

Dominion Energy Virginia (the "Company") is proposing to partially rebuild the existing 115 kV Bristers-Ox Line #183 (the "Rebuild Project") within Fauquier and Prince William Counties, Virginia. The Rebuild Project is necessary to replace aging infrastructure that is at the end of its service life in order to ensure that Dominion Energy Virginia can continue to meet customer needs and maintain reliable electric service for the overall growth in the area in compliance with mandatory North American Electric Reliability Corporation Reliability Standards and the Company's mandatory electric transmission planning criteria.

Specifically, the Company proposes as part of this Rebuild Project to rebuild an approximately 15-mile segment of the Company's existing 23.6-mile 115 kV Line #183 between Structure #183/12 and Structure #183/134 with standard 230 kV construction. The Rebuild Project will include replacement of structures, as well conductors and shield wire, within the existing right-of-way along this segment of Line #183. Additionally, the Company plans to replace the existing conductors and shield wire on Line #183 between Structure #183/12 and the Bristers Substation as part of the Rebuild Project.

The Company is preparing an application for a Certificate of Public Convenience and Necessity from the State Corporation Commission ("SCC"). Pursuant to the July 2003 Memorandum Wetlands Impact Consultation, Dominion Energy Virginia is sending this letter to initiate consultation with the DEQ prior to filing an application with the SCC.

A wetland delineation has not been conducted at this time. However, Environmental Resources Management conducted a wetland desktop study to identify probable wetlands based on a review of multiple data sources. Table 1 below provides a summary of the medium to high probability wetlands expected to be affected within the Rebuild Project right-of-way.

TABLE 1 Line #183 Partial Rebuild Project Summary of the Desktop Wetland Review				
Wetland Type (acres)			Open Water (acres)	Stream Channels Acres (LF)
PEM/PSS High Probability	PEM/PSS Medium Probability	PEM/PSS Low Probability		
15.89	25.29	13.27	0.09	1.53 (13,187)

The full Wetland Desktop Study will be submitted once finalized. Subsequently, a wetland delineation will be conducted and the limits of wetlands of other waters of the United States will be submitted to the U.S. Army Corps of

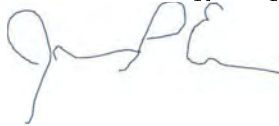
Dominion Energy
Line #183 Partial Rebuild Project
Fauquier and Prince William Counties, Virginia
Page 2 of 2

Engineers for confirmation. At this time, in advance of the SCC filing, the Company respectfully requests that you submit any comments or additional information you feel would have bearing on the Rebuild Project within 30 days of the date of this letter.

Enclosed is a Project Overview Map depicting the proposed route and project location. If you would like to receive a GIS shapefile of the route to assist in your project review or if you have any questions, please do not hesitate to contact James P. Young at (804) 426-6648 or James.P.Young@dominionenergy.com. The Company appreciates your assistance with this project review and looks forward to any additional information you may have to offer.

Sincerely,

Dominion Energy Virginia

A handwritten signature in blue ink, appearing to read "J. Ericson", is positioned above the printed name and title.

Jason P. Ericson
Director, Environmental Services

Attachment: Project Map

Dominion Energy Services, Inc.
10900 Nuckols Rd, 4th Floor
Glen Allen, VA 23060



June 22, 2022

BY EMAIL

Mr. Scott Denny
Virginia Department of Aviation
Airport Services Division
5702 Gulfstream Road
Richmond, Virginia 23250-2422

RE: Dominion Energy Virginia's Proposed Line #183 Partial Rebuild Project, Fauquier and Prince William Counties, Virginia

Mr. Denny,

Dominion Energy Virginia (the "Company") is proposing to partially rebuild the existing 115 kV Bristers-~~Ox~~ Minnieville Line #183 (the "Rebuild Project") within Fauquier and Prince William Counties, Virginia. The Rebuild Project is necessary to replace aging infrastructure that is at the end of its service life in order to ensure that Dominion Energy Virginia can continue to meet customer needs and maintain reliable electric service for the overall growth in the area in compliance with mandatory North American Electric Reliability Corporation Reliability Standards and the Company's mandatory electric transmission planning criteria.

Specifically, the Company proposes as part of this Rebuild Project to rebuild an approximately 15-mile segment of the Company's existing 23.6-mile 115 kV Line #183 between Structure #183/12 and Structure #183/134 with standard 230 kV construction. The Rebuild Project will include replacement of structures, as well conductors and shield wire, within the existing right-of-way along this segment of Line #183. Additionally, the Company plans to replace the existing conductors and shield wire on Line #183 between Structure #183/12 and the Bristers Substation as part of the Rebuild Project.

The Company is in the process of preparing an application for a certificate of public convenience and necessity from the State Corporation Commission ("SCC"). At this time, in advance of an SCC filing, the Company respectfully requests that you submit any comments or additional information that would have bearing on the proposed Rebuild Project within 30 days of the date of this letter.

If you would like to receive a GIS shapefile of the transmission line routes to assist in the project review or if there are any questions, please do not hesitate to contact me by phone or email.

We appreciate your assistance with this project review and look forward to any additional information you may have to offer.

Sincerely,

Nancy

Nancy Reid
Siting & Permitting Specialist
434.532.7579
nancy.r.reid@dominionenergy.com

Attachment: Project Notice Map

Dominion Energy Services, Inc.
10900 Nuckols Rd, 4th Floor
Glen Allen, VA 23060



June 22, 2022

BY EMAIL

Mr. David Heironimus
Virginia Department of Transportation
Area Land Use Permit Manager
4975 Alliance Drive
Fairfax, VA 22030
david.heironimus@vdot.virginia.gov

RE: Dominion Energy Virginia's Proposed Line #183 Partial Rebuild Project, Fauquier and Prince William Counties, Virginia

Mr. Heironimus,

Dominion Energy Virginia (the "Company") is proposing to partially rebuild the existing 115 kV Bristers-Ox Line #183 (the "Rebuild Project") within Fauquier and Prince William Counties, Virginia. The Rebuild Project is necessary to replace aging infrastructure that is at the end of its service life in order to ensure that Dominion Energy Virginia can continue to meet customer needs and maintain reliable electric service for the overall growth in the area in compliance with mandatory North American Electric Reliability Corporation Reliability Standards and the Company's mandatory electric transmission planning criteria.

Specifically, the Company proposes as part of this Rebuild Project to rebuild an approximately 15-mile segment of the Company's existing 23.6-mile 115 kV Line #183 between Structure #183/12 and Structure #183/134 with standard 230 kV construction. The Rebuild Project will include replacement of structures, as well conductors and shield wire, within the existing right-of-way along this segment of Line #183. Additionally, the Company plans to replace the existing conductors and shield wire on Line #183 between Structure #183/12 and the Bristers Substation as part of the Rebuild Project.

The Company is in the process of preparing an application for a certificate of public convenience and necessity from the State Corporation Commission ("SCC"). At this time, in advance of an SCC filing, the Company respectfully requests that you submit any comments or additional information that would have bearing on the proposed Rebuild Project within 30 days of the date of this letter.

If you would like to receive a GIS shapefile of the transmission line routes to assist in the project review or if there are any questions, please do not hesitate to contact me by phone or email.

We appreciate your assistance with this project review and look forward to any additional information you may have to offer.

Sincerely,

Nancy

Nancy Reid
Siting & Permitting Specialist
434.532.7579
nancy.r.reid@dominionenergy.com

Attachment: Project Notice Map

Dominion Energy Services, Inc.
10900 Nuckols Rd, 4th Floor
Glen Allen, VA 23060



June 22, 2022

BY EMAIL

Mr. Elijah Johnson
Prince William County Executive
1 County Complex Court
Prince William, VA 22192
communications@pwcgov.org

RE: Dominion Energy Virginia's Proposed Line #183 Partial Rebuild Project, Fauquier and Prince William Counties, Virginia

Mr. Johnson,

Dominion Energy Virginia (the "Company") is proposing to partially rebuild the existing 115 kV Bristers-Ox Line #183 (the "Rebuild Project") within Fauquier and Prince William Counties, Virginia. The Rebuild Project is necessary to replace aging infrastructure that is at the end of its service life in order to ensure that Dominion Energy Virginia can continue to meet customer needs and maintain reliable electric service for the overall growth in the area in compliance with mandatory North American Electric Reliability Corporation Reliability Standards and the Company's mandatory electric transmission planning criteria.

Specifically, the Company proposes as part of this Rebuild Project to rebuild an approximately 15-mile segment of the Company's existing 23.6-mile 115 kV Line #183 between Structure #183/12 and Structure #183/134 with standard 230 kV construction. The Rebuild Project will include replacement of structures, as well conductors and shield wire, within the existing right-of-way along this segment of Line #183. Additionally, the Company plans to replace the existing conductors and shield wire on Line #183 between Structure #183/12 and the Bristers Substation as part of the Rebuild Project.

The Company is in the process of preparing an application for a certificate of public convenience and necessity from the State Corporation Commission ("SCC"). At this time, in advance of an SCC filing, the Company respectfully requests that you submit any comments or additional information that would have bearing on the proposed Rebuild Project within 30 days of the date of this letter.

If you would like to receive a GIS shapefile of the transmission line routes to assist in the project review or if there are any questions, please do not hesitate to contact me by phone or email.

We appreciate your assistance with this project review and look forward to any additional information you may have to offer.

Sincerely,

Nancy

Nancy Reid
Siting & Permitting Specialist
434.532.7579
nancy.r.reid@dominionenergy.com

Attachment: Project Notice Map

Dominion Energy Services, Inc.
10900 Nuckols Rd, 4th Floor
Glen Allen, VA 23060



June 22, 2022

BY EMAIL

Mr. Roger Kirchen
Department of Historic Resources
Review and Compliance Division
2801 Kensington Avenue
Richmond, Virginia 23221

RE: Dominion Energy Virginia's Proposed Line #183 Partial Rebuild Project, Fauquier and Prince William Counties, Virginia

Mr. Kirchen,

Dominion Energy Virginia (the "Company") is proposing to partially rebuild the existing 115 kV Bristers-Ox Line #183 (the "Rebuild Project") within Fauquier and Prince William Counties, Virginia. The Rebuild Project is necessary to replace aging infrastructure that is at the end of its service life in order to ensure that Dominion Energy Virginia can continue to meet customer needs and maintain reliable electric service for the overall growth in the area in compliance with mandatory North American Electric Reliability Corporation Reliability Standards and the Company's mandatory electric transmission planning criteria.

Specifically, the Company proposes as part of this Rebuild Project to rebuild an approximately 15-mile segment of the Company's existing 23.6-mile 115 kV Line #183 between Structure #183/12 and Structure #183/134 with standard 230 kV construction. The Rebuild Project will include replacement of structures, as well conductors and shield wire, within the existing right-of-way along this segment of Line #183. Additionally, the Company plans to replace the existing conductors and shield wire on Line #183 between Structure #183/12 and the Bristers Substation as part of the Rebuild Project.

The Company is in the process of preparing an application for a certificate of public convenience and necessity from the State Corporation Commission ("SCC"). At this time, in advance of an SCC filing, the Company respectfully requests that you submit any comments or additional information that would have bearing on the proposed Rebuild Project within 30 days of the date of this letter.

If you would like to receive a GIS shapefile of the transmission line routes to assist in the project review or if there are any questions, please do not hesitate to contact me by phone or email.

We appreciate your assistance with this project review and look forward to any additional information you may have to offer.

Sincerely,

Nancy

Nancy Reid
Siting & Permitting Specialist
434.532.7579
nancy.r.reid@dominionenergy.com

Attachment: Project Notice Map

Dominion Energy Services, Inc.
10900 Nuckols Rd, 4th Floor
Glen Allen, VA 23060



June 22, 2022

BY EMAIL

Ms. Martha Little, Deputy Director
Virginia Outdoors Foundation
600 East Main Street, Suite 402
Richmond, Virginia 23219

RE: Dominion Energy Virginia's Proposed Line #183 Partial Rebuild Project, Fauquier and Prince William Counties, Virginia

Ms. Little,

Dominion Energy Virginia (the "Company") is proposing to partially rebuild the existing 115 kV Bristers-Ox Line #183 (the "Rebuild Project") within Fauquier and Prince William Counties, Virginia. The Rebuild Project is necessary to replace aging infrastructure that is at the end of its service life in order to ensure that Dominion Energy Virginia can continue to meet customer needs and maintain reliable electric service for the overall growth in the area in compliance with mandatory North American Electric Reliability Corporation Reliability Standards and the Company's mandatory electric transmission planning criteria.

Specifically, the Company proposes as part of this Rebuild Project to rebuild an approximately 15-mile segment of the Company's existing 23.6-mile 115 kV Line #183 between Structure #183/12 and Structure #183/134 with standard 230 kV construction. The Rebuild Project will include replacement of structures, as well conductors and shield wire, within the existing right-of-way along this segment of Line #183. Additionally, the Company plans to replace the existing conductors and shield wire on Line #183 between Structure #183/12 and the Bristers Substation as part of the Rebuild Project.

The Company is in the process of preparing an application for a certificate of public convenience and necessity from the State Corporation Commission ("SCC"). At this time, in advance of an SCC filing, the Company respectfully requests that you submit any comments or additional information that would have bearing on the proposed Rebuild Project within 30 days of the date of this letter.

If you would like to receive a GIS shapefile of the transmission line routes to assist in the project review or if there are any questions, please do not hesitate to contact me by phone or email.

We appreciate your assistance with this project review and look forward to any additional information you may have to offer.

Sincerely,

Nancy

Nancy Reid
Siting & Permitting Specialist
434.532.7579
nancy.r.reid@dominionenergy.com

Attachment: Project Notice Map

Dominion Energy Services, Inc.
10900 Nuckols Rd, 4th Floor
Glen Allen, VA 23060



June 22, 2022

BY EMAIL

Mr. Paul S. McCulla
Fauquier County Administrator
10 Hotel Street, Ste 204
Warrenton VA 20186
paul.mcculla@fauquiercounty.gov

RE: Dominion Energy Virginia's Proposed Line #183 Partial Rebuild Project, Fauquier and Prince William Counties, Virginia

Mr. McCulla,

Dominion Energy Virginia (the "Company") is proposing to partially rebuild the existing 115 kV Bristers-Ox Line #183 (the "Rebuild Project") within Fauquier and Prince William Counties, Virginia. The Rebuild Project is necessary to replace aging infrastructure that is at the end of its service life in order to ensure that Dominion Energy Virginia can continue to meet customer needs and maintain reliable electric service for the overall growth in the area in compliance with mandatory North American Electric Reliability Corporation Reliability Standards and the Company's mandatory electric transmission planning criteria.

Specifically, the Company proposes as part of this Rebuild Project to rebuild an approximately 15-mile segment of the Company's existing 23.6-mile 115 kV Line #183 between Structure #183/12 and Structure #183/134 with standard 230 kV construction. The Rebuild Project will include replacement of structures, as well conductors and shield wire, within the existing right-of-way along this segment of Line #183. Additionally, the Company plans to replace the existing conductors and shield wire on Line #183 between Structure #183/12 and the Bristers Substation as part of the Rebuild Project.

The Company is in the process of preparing an application for a certificate of public convenience and necessity from the State Corporation Commission ("SCC"). At this time, in advance of an SCC filing, the Company respectfully requests that you submit any comments or additional information that would have bearing on the proposed Rebuild Project within 30 days of the date of this letter.

If you would like to receive a GIS shapefile of the transmission line routes to assist in the project review or if there are any questions, please do not hesitate to contact me by phone or email.

We appreciate your assistance with this project review and look forward to any additional information you may have to offer.

Sincerely,

Nancy

Nancy Reid
Siting & Permitting Specialist
434.532.7579
nancy.r.reid@dominionenergy.com

Attachment: Project Notice Map

Dominion Energy Services, Inc.
10900 Nuckols Rd, 4th Floor
Glen Allen, VA 23060



June 22, 2022

BY EMAIL

Ms. Nikki Hunt
NAVFAC Mid-Atlantic
Building 2009 Zeilin Road
Quantico, VA 22134
niiki.hunt@navy.mil

RE: Dominion Energy Virginia's Proposed Line #183 Partial Rebuild Project, Fauquier and Prince William Counties, Virginia

Ms. Hunt,

Dominion Energy Virginia (the "Company") is proposing to partially rebuild the existing 115 kV Bristers-Ox Line #183 (the "Rebuild Project") within Fauquier and Prince William Counties, Virginia. The Rebuild Project is necessary to replace aging infrastructure that is at the end of its service life in order to ensure that Dominion Energy Virginia can continue to meet customer needs and maintain reliable electric service for the overall growth in the area in compliance with mandatory North American Electric Reliability Corporation Reliability Standards and the Company's mandatory electric transmission planning criteria.

Specifically, the Company proposes as part of this Rebuild Project to rebuild an approximately 15-mile segment of the Company's existing 23.6-mile 115 kV Line #183 between Structure #183/12 and Structure #183/134 with standard 230 kV construction. The Rebuild Project will include replacement of structures, as well conductors and shield wire, within the existing right-of-way along this segment of Line #183. Additionally, the Company plans to replace the existing conductors and shield wire on Line #183 between Structure #183/12 and the Bristers Substation as part of the Rebuild Project.

The Company is in the process of preparing an application for a certificate of public convenience and necessity from the State Corporation Commission ("SCC"). At this time, in advance of an SCC filing, the Company respectfully requests that you submit any comments or additional information that would have bearing on the proposed Rebuild Project within 30 days of the date of this letter.

If you would like to receive a GIS shapefile of the transmission line routes to assist in the project review or if there are any questions, please do not hesitate to contact me by phone or email.

We appreciate your assistance with this project review and look forward to any additional information you may have to offer.

Sincerely,

Nancy

Nancy Reid
Siting & Permitting Specialist
434.532.7579
nancy.r.reid@dominionenergy.com

Attachment: Project Notice Map

Dominion Energy Services, Inc.
10900 Nuckols Rd, 4th Floor
Glen Allen, VA 23060



June 22, 2022

BY EMAIL

Mr. Steve Shannon
Fairfax County Residency
Virginia Department of Transportation
Northern Virginia District
4975 Alliance Drive
Fairfax, VA 22030

RE: Dominion Energy Virginia's Proposed Line #183 Partial Rebuild Project, Fauquier and Prince William Counties, Virginia

Mr. Shannon,

Dominion Energy Virginia (the "Company") is proposing to partially rebuild the existing 115 kV Bristers-Ox Line #183 (the "Rebuild Project") within Fauquier and Prince William Counties, Virginia. The Rebuild Project is necessary to replace aging infrastructure that is at the end of its service life in order to ensure that Dominion Energy Virginia can continue to meet customer needs and maintain reliable electric service for the overall growth in the area in compliance with mandatory North American Electric Reliability Corporation Reliability Standards and the Company's mandatory electric transmission planning criteria.

Specifically, the Company proposes as part of this Rebuild Project to rebuild an approximately 15-mile segment of the Company's existing 23.6-mile 115 kV Line #183 between Structure #183/12 and Structure #183/134 with standard 230 kV construction. The Rebuild Project will include replacement of structures, as well conductors and shield wire, within the existing right-of-way along this segment of Line #183. Additionally, the Company plans to replace the existing conductors and shield wire on Line #183 between Structure #183/12 and the Bristers Substation as part of the Rebuild Project.

The Company is in the process of preparing an application for a certificate of public convenience and necessity from the State Corporation Commission ("SCC"). At this time, in advance of an SCC filing, the Company respectfully requests that you submit any comments or additional information that would have bearing on the proposed Rebuild Project within 30 days of the date of this letter.

If you would like to receive a GIS shapefile of the transmission line routes to assist in the project review or if there are any questions, please do not hesitate to contact me by phone or email.

We appreciate your assistance with this project review and look forward to any additional information you may have to offer.

Sincerely,

Nancy

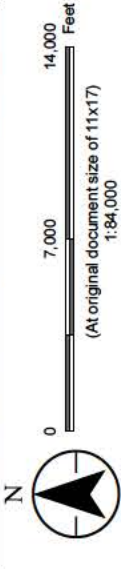
Nancy Reid
Siting & Permitting Specialist
434.532.7579
nancy.r.reid@dominionenergy.com

Attachment: Project Notice Map

Figure No.
I.A.1
Title
General Overview

Client/Project
Dominion Energy Virginia
Line #183 Partial Rebuild Project
203401769

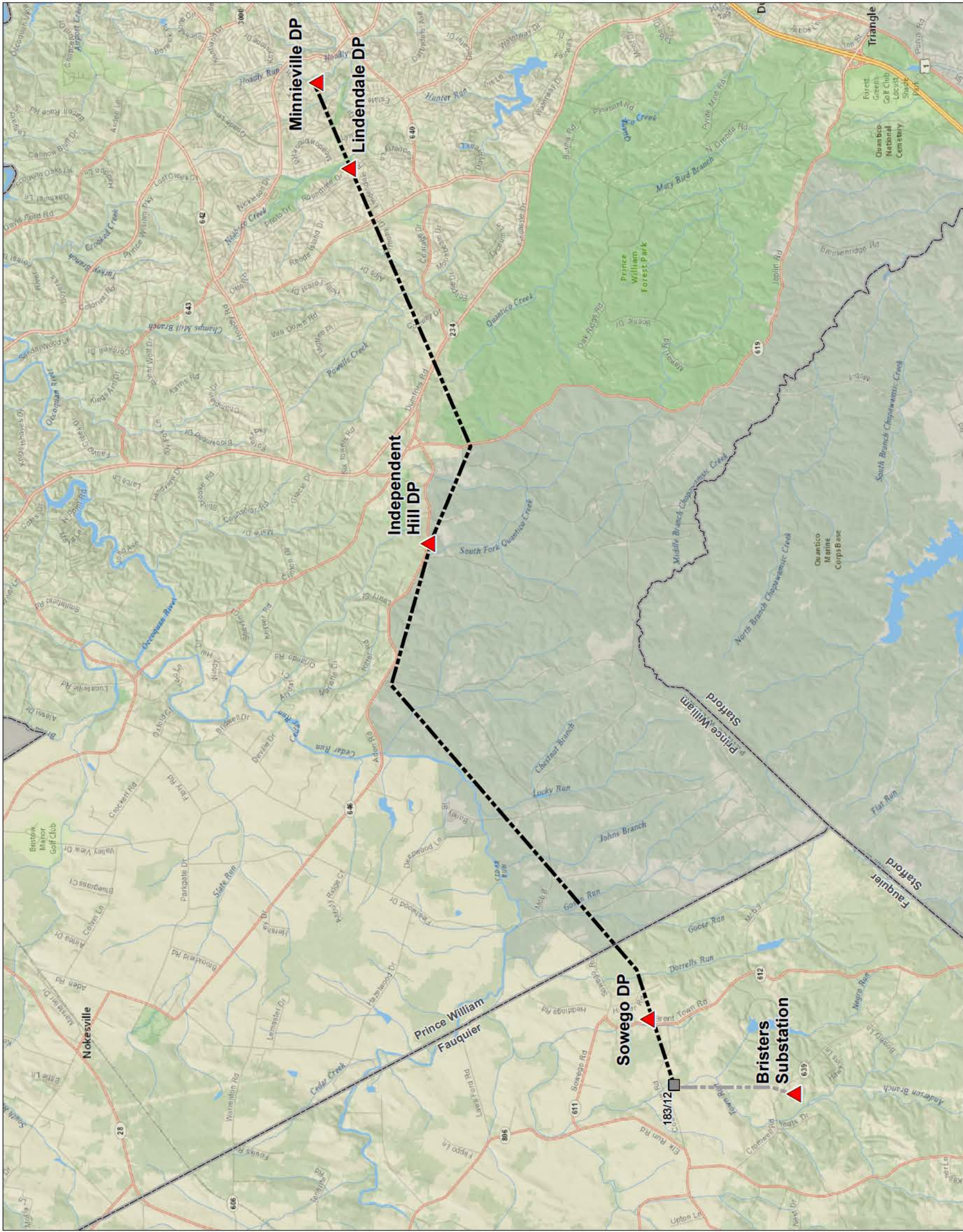
Project Location
Fauquier and Prince William Counties, Virginia
Prepared by MGS on 2022-01-21
TR by ECL on 2022-02-14
IR by CPQ on 2022-02-08



- Substation / DP
- Structure 183/12
- Line #183 Partial Rebuild Project
- Line #183 Reconductor Only



Notes
1. Coordinate System: NAD 1983 StatePlane Virginia North FIPS 4501 Feet
2. Data Sources: Dominion Energy Virginia, Stantec, DCR
3. Base Map © National Geographic



From: [Fulcher, Valerie](#)
To: [rr dgif-ESS Projects](#); [Keith Tignor](#); [rr DCR-PRR Environmental Review](#); [odwreview \(VDH\)](#); [Carlos Martinez](#); [Kotur Narasimhan](#); [Lawrence Gavan](#); [Daniel Moore](#); [Mark Miller](#); [Michelle Henicheck](#); [Scott Kudlas](#); [Roger Kirchen](#); [Terrance Lasher](#); [Parmelee, Sarah](#); [Karl Didier](#); [rr EIR Coordination](#); [David Spears](#); [ImpactReview](#); [Bob Lazaro](#); [Holly.Meade@fauquiercounty.gov](#); [jspatton@pwcgov.org](#)
Cc: [James P Young \(Services - 6\)](#)
Subject: [EXTERNAL] NEW SCOPING Line 183 Partial Rebuild Project
Date: Tuesday, June 28, 2022 9:10:45 AM
Attachments: [Line #183 Partial Rebuild Project Scoping Response.pdf](#)
[Active 161207370 1_Agency Letter - Rayfield \(Rebuild Line 183\) - signed.pdf](#)
[Attachment I.A.1.pdf](#)

CAUTION! This message was NOT SENT from DOMINION ENERGY

Are you expecting this message to your DE email? Suspicious? Use PhishAlarm to report the message. Open a browser and type in the name of the trusted website instead of clicking on links. DO NOT click links or open attachments until you verify with the sender using a known-good phone number. Never provide your DE password.

Good morning—attached is a **request for scoping comments** on the following:

Dominion Energy Virginia's Proposed Line #183 Partial Rebuild Project, Fauquier and Prince William Counties, Virginia

If you choose to make comments, please send them directly to the project sponsor (james.p.young@dominionenergy.com) and copy the DEQ Office of Environmental Impact Review: eir@deq.virginia.gov. We will coordinate a review when the environmental document is completed.

DEQ-OEIR's scoping response is also attached.

If you have any questions regarding this request, please email our office at eir@deq.virginia.gov.

Valerie

--

Valerie A. Fulcher, CAP, OM, Admin/Data Coordinator Senior

Department of Environmental Quality

Environmental Enhancement - Office of Environmental Impact Review

1111 East Main Street

Richmond, VA 23219

NEW PHONE NUMBER: 804-659-1550

Email: Valerie.Fulcher@deq.virginia.gov

<https://www.deq.virginia.gov/permits-regulations/environmental-impact-review>

OUR ENFORCEABLE POLICIES HAVE BEEN UPDATED FOR

2021: <https://www.deq.virginia.gov/permits-regulations/environmental-impact-review/federal-consistency>

For program updates and public notices please subscribe to Constant

Contact: <https://lp.constantcontact.com/su/MVcCump/EIR>

From: [Nancy R Reid \(Services - 6\)](#)
To: [Trenum, Michelle](#)
Subject: RE: map for Line #183
Date: Monday, July 18, 2022 10:11:09 AM
Attachments: [Attachment 1.A.1.pdf](#)
[image001.png](#)
[image002.png](#)

Michelle.

I have attached the project map for your review. If you need anything else, please let me know.

Respectfully,

Nancy

Nancy Reid
Siting & Permitting Specialist
DEQ Dual Combined Administrator
Electric Transmission
10900 Nuckols Rd, 4th Floor
Glen Allen, VA 23060
[REDACTED]



From: Trenum, Michelle <MTrenum@pwcgov.org>
Sent: Monday, July 18, 2022 8:37 AM
To: Nancy R Reid (Services - 6) <nancy.r.reid@dominionenergy.com>
Subject: [EXTERNAL] map for Line #183

CAUTION! This message was NOT SENT from DOMINION ENERGY

Are you expecting this message to your DE email? Suspicious? Use PhishAlarm to report the message. Open a browser and type in the name of the trusted website instead of clicking on links. DO NOT click links or open attachments until you verify with the sender using a known-good phone number. Never provide your DE password.

Please send map of rebuild project on Line #183.

Regards,
Michelle

Michelle Trenum

Chief of Staff

Office of Supervisor Jeanine M. Lawson – Brentsville District

Prince William Board of County Supervisors

Office 703-792-6190

Direct 703-792-6191



mtrenum@pwcgov.org



From: [Hunt, M Nikki \(Nikki Hunt\) CIV USN \(USA\)](#)
To: [Nancy R Reid \(Services - 6\)](#)
Cc: [James P Young \(Services - 6\)](#); [Jennifer Valaika](#)
Subject: [EXTERNAL] RE: FW: Dominion Energy Virginia's Proposed Line #183 Partial Rebuild Project, Fauquier and Prince William Counties, Virginia
Date: Wednesday, June 22, 2022 6:28:33 PM

CAUTION! This message was NOT SENT from DOMINION ENERGY

Are you expecting this message to your DE email? Suspicious? Use PhishAlarm to report the message. Open a browser and type in the name of the trusted website instead of clicking on links. DO NOT click links or open attachments until you verify with the sender using a known-good phone number. Never provide your DE password.

Hi Nancy,

I hope all is well. Thank you for providing the subject notice. It would be most helpful if you could provide the GIS shape files to assist with our review. Once received, we will vet the project review through the appropriate stakeholders and a response will be provided, as appropriate. Enjoy your evening.

V/R,
M. Nikki Hunt
Director, Real Estate Business Line - RE1
Realty Officer
Naval Facilities Engineering Systems Command Headquarters
1322 Patterson Avenue, SE Suite 1000
Washington Navy Yard, DC 20374-5065
Direct: 202-685-9204; DSN 325-9204

****PLEASE NOTE NEW EMAIL**** Email: melissa.n.hunt.civ@us.navy.mil

From: Nancy.R.Reid@dominionenergy.com <Nancy.R.Reid@dominionenergy.com>
Sent: Wednesday, June 22, 2022 6:11 PM
To: nikki.hunt@navy.mil
Cc: james.p.young@dominionenergy.com; jvalaika@mcguirewoods.com
Subject: [Non-DoD Source] FW: Dominion Energy Virginia's Proposed Line #183 Partial Rebuild Project, Fauquier and Prince William Counties, Virginia

Nikki,

Please see the attached letter and project map notifying you that Dominion Energy Virginia (the "Company") is to partially rebuild the existing 115 kV Bristers-Ox Line #183 (the "Rebuild Project") within Fauquier and Prince William Counties, Virginia.

Please contact me with any questions or for additional information.

Nancy

Nancy Reid
Siting & Permitting Specialist
DEQ Dual Combined Administrator
Electric Transmission
10900 Nuckols Rd, 4th Floor
Glen Allen, VA 23060


CONFIDENTIALITY NOTICE: This electronic message contains information which may be legally confidential and or privileged and does not in any case represent a firm ENERGY COMMODITY bid or offer relating thereto which binds the sender without an additional express written confirmation to that effect. The information is intended solely for the individual or entity named above and access by anyone else is unauthorized. If you are not the intended recipient, any disclosure, copying, distribution, or use of the contents of this information is prohibited and may be unlawful. If you have received this electronic transmission in error, please reply immediately to the sender that you have received the message in error, and delete it. Thank you.

From: [Nancy R Reid \(Services - 6\)](#)
To: [Shannon, Steven](#); [Bobby Shetley](#); [Dic Burke](#)
Cc: [James P Young \(Services - 6\)](#); [Jennifer Valaika](#)
Bcc: ["Nancy R Reid \(Services - 6\)"](#)
Subject: RE: [EXTERNAL] Re: Dominion Energy Virginia's Proposed Line #183 Partial Rebuild Project, Fauquier and Prince William Counties, Virginia
Date: Thursday, June 23, 2022 7:41:00 AM

Good morning!

Thank you for forwarding and I will update my contact list.

Have a fantastic day,
Nancy

From: Shannon, Steven <steven.shannon@vdot.virginia.gov>
Sent: Wednesday, June 22, 2022 7:01 PM
To: Bobby Shetley <Bobby.Shetley@vdot.virginia.gov>; Dic Burke <Richard.Burke@vdot.virginia.gov>; Nancy R Reid (Services - 6) <Nancy.R.Reid@dominionenergy.com>
Cc: James P Young (Services - 6) <james.p.young@dominionenergy.com>; Jennifer Valaika <jvalaika@mcguirewoods.com>
Subject: [EXTERNAL] Re: Dominion Energy Virginia's Proposed Line #183 Partial Rebuild Project, Fauquier and Prince William Counties, Virginia

CAUTION! This message was NOT SENT from DOMINION ENERGY

Are you expecting this message to your DE email? Suspicious? Use PhishAlarm to report the message. Open a browser and type in the name of the trusted website instead of clicking on links. DO NOT click links or open attachments until you verify with the sender using a known-good phone number. Never provide your DE password.

Hi Nancy, I am no longer in Prince William but I've included my replacement as well as our land-use director for Prince William. Thanks again.
Steve

On Wed, Jun 22, 2022 at 17:46 Nancy.R.Reid@dominionenergy.com <Nancy.R.Reid@dominionenergy.com> wrote:

Mr. Shannon,

Please see the attached letter and project map notifying you that Dominion Energy Virginia (the "Company") is to partially rebuild the existing 115 kV Bristers-Ox Line #183 (the "Rebuild Project") within Fauquier and Prince William Counties, Virginia.

Please contact me with any questions or for additional information.

Nancy

Nancy Reid
Siting & Permitting Specialist
DEQ Dual Combined Administrator
Electric Transmission
[10900 Nuckols Rd, 4th Floor](#)
Glen Allen, VA 23060


CONFIDENTIALITY NOTICE: This electronic message contains information which may be legally confidential and or privileged and does not in any case represent a firm ENERGY COMMODITY bid or offer relating thereto which binds the sender without an additional express written confirmation to that effect. The information is intended solely for the individual or entity named above and access by anyone else is unauthorized. If you are not the intended recipient, any disclosure, copying, distribution, or use of the contents of this information is prohibited and may be unlawful. If you have received this electronic transmission in error, please reply immediately to the sender that you have received the message in error, and delete it. Thank you.

--

Steve Shannon
VDOT Fairfax Residency Maintenance Administrator
703-259-2357
Email: steven.shannon@vdot.virginia.gov

Valaika, Jennifer Dvorak

From: Warren, Arlene <arlene.warren@vdh.virginia.gov>
Sent: Friday, July 15, 2022 2:43 PM
To: James P Young (Services - 6)
Cc: rr Environmental Impact Review
Subject: [EXTERNAL] NEW SCOPING Line 183 Partial Rebuild Project

CAUTION! This message was NOT SENT from DOMINION ENERGY

Are you expecting this message to your DE email? Suspicious? Use PhishAlarm to report the message. Open a browser and type in the name of the trusted website instead of clicking on links. DO NOT click links or open attachments until you verify with the sender using a known-good phone number. Never provide your DE password.

Project Name: NEW SCOPING Line 183 Partial Rebuild Project

Project #: N/A

UPC #: N/A

Location: Fauquier and Prince William Counties

VDH – Office of Drinking Water has reviewed the above project. Below are our comments as they relate to proximity to **public drinking water sources** (groundwater wells, springs and surface water intakes). Potential impacts to public water distribution systems or sanitary sewage collection systems **must be verified by the local utility.**

The following public groundwater wells are located within a 1 mile radius of the project site:

PWS ID Number	City/County	System Name	Facility Name
6153063	PRINCE WILLIAM	QUANTICO MCB-CAMP UPSHUR	WELL 1
6153063	PRINCE WILLIAM	QUANTICO MCB-CAMP UPSHUR	WELL 2
6153053	PRINCE WILLIAM	EFFINGHAM WINERY	WELL DRILLED 2012
6153315	PRINCE WILLIAM	INDEPENDENT HILL MINI-LIBRARY	WELL

The following surface water intakes are located within a 5 mile radius of the project site:

PWS ID Number	System Name	Facility Name
6059501	FAIRFAX COUNTY WATER AUTHORITY	OCCOQUAN RESERVOIR INTAKE

The project is within the watershed of the following public surface water sources:

PWS ID Number	System Name	Facility Name
6059501	FAIRFAX COUNTY WATER AUTHORITY	OCCOQUAN RESERVOIR INTAKE

Best Management Practices should be employed, including Erosion & Sedimentation Controls and Spill Prevention Controls & Countermeasures on the project site.

Materials should be managed while on site and during transport to prevent impacts to nearby surface water.

The Virginia Department of Health – Office of Drinking Water appreciates the opportunity to provide comments. If you have any questions, please let me know.

Best Regards,

Arlene F. Warren
GIS Program Support Technician
Virginia Department of Health, Office of Drinking Water
109 Governor Street, 6th Floor
Richmond, VA 23219




Stantec Consulting Services Inc.
5209 Center Street, Williamsburg Virginia 23188-2680

June 28, 2022
File: 203401769

Mr. James Young
Dominion Energy Environmental Services
120 Tredegar Street
Richmond, VA 23219

RE: **Desktop Wetland Review**
 Line #183 Partial Rebuild Project
 Fauquier and Prince William Counties, Virginia
Start: Latitude: 38.586242° Terminus: Latitude: 38.652980°
 Longitude: -77.593566° Longitude: -77.348517°

Dear Mr. Young:

The following report presents the results of a desktop wetland review conducted by Stantec Consulting Services Inc. (Stantec) for the Line #183 Partial Rebuild Project (Project) located in Fauquier and Prince William Counties, Virginia (Figure 1). The purpose of this study is to determine the approximate location and extent of areas that have the potential of containing jurisdictional waters of the U.S., including wetlands (WOUS) using available off-site resources.

The project area (approximately 396.27 acres) consists of an existing, variable width transmission line right-of-way (ROW) beginning approximately 1.6 miles north of the Bristers substation in Fauquier County, Virginia and extends approximately 15.10 miles northeast to the Minnieville delivery point in Prince William County, Virginia. The site can be accessed via Courthouse Road (Route 609), Brent Town Road (Route 612), Hunter Road, Hangman Tree Road, Forest Road, Joplin Road (Route 619), Dumfries Road (Route 234), Conway Drive, Idlebrook Court, Alps Drive, Colony Creek Court, Anthony Drive, Springs Branch Road, Spriggs Road, Princedale Drive, Mapledale Avenue, Lindendale Road, Ermine Court, and Delaney Road. It should be noted that approximately 8.3 miles of the ROW is located within the Marine Corps Base Quantico.

Due to the preliminary nature of this study, the field methods outlined in the *1987 Corps of Engineers Delineation Manual* and the *2012 Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Eastern Mountain and Piedmont Region (version 2.0)* were not applied to determine the limits of wetlands and other water features on-site. Rather, U.S. Geological Survey (USGS) Quadrangle Maps, current and historical web-based aerial imagery, wetland photo interpretation techniques, soil surveys, and the National Wetlands Inventory (NWI) were used to ascertain the approximate limits of WOUS, including wetlands. For an evaluation of this type, the dimensions of WOUS are difficult to determine using even the highest resolution and most recent off-site reference materials. Large floodplains containing broad, flat topography can be assessed fairly accurately using aerial photography. However, smaller secondary drainages containing lower order streams and headwater wetlands are more difficult to evaluate and could contain a high degree of deviation when compared to field conditions. Therefore, all site conditions predicted as a part of this analysis and in the mapping provided are considered preliminary, and without site reconnaissance should only be utilized for early-stage planning purposes.



June 28, 2022
Mr. James Young
Page 2 of 4

Reference: Line #183 Partial Rebuild Project

Multiple off-site resources were reviewed to determine areas that have the potential to contain jurisdictional WOUS, including wetlands, within the study area described above. These materials include the U.S. Geological Survey 7.5-minute Topographic Quadrangle Maps (Quads) for Nokesville, Virginia 1997; Independent Hill, Virginia 1994; Occoquan, Virginia 1994; Somerville, Virginia 1966 (Revised 1981); Joplin, Virginia 2000; and Quantico, Virginia 1994; the National Wetlands Inventory Interactive Mapper (NWI), administered by the U.S. Fish and Wildlife Service (USFWS); the SSURGO Soils Survey, administered by the Natural Resources Conservation Service (NRCS); and web-based aerial images.

USGS Quads

The Quads depict the majority of the study area as an existing transmission line traversing through gently sloping to steeply sloping terrain. Named drainageways within the study area include the following: Town Run, Dorrells Run, Goose Run, Goslin Run, Johns Branch, Lucky Run, Quantico Creek, Powells Creek, and Neabsco Creek. Numerous unnamed perennial and non-perennial systems are also mapped within the study area.

NWI Maps

The NWI maps administered by USFWS are useful in the identification of potential wetland areas. The maps are compiled through photo interpretation techniques with limited field verification. Large floodplain and regularly inundated wetlands are easily illustrated and are often mapped reasonably accurately, while certain forested wetlands (e.g., seasonally saturated, groundwater driven, and evergreen dominated) and other drier-end wetlands tend to be either conservatively mapped or not shown at all.

The NWI maps depict multiple freshwater forested/shrub wetlands, freshwater emergent wetlands, riverine, and freshwater pond within the study area. It should be noted that all wetlands within the study area are presumed to be scrub shrub or emergent due to regular maintenance of the ROW. The NWI identifies all wetlands within the proposed project area as palustrine, which includes all non-tidal wetlands and wetlands that occur in tidal areas where salinity due to ocean derived salts is below 0.05%.

Digital Aerial Imagery

Web-based aerial images of the project area were reviewed to determine the approximate location and extent of areas that have the potential of containing jurisdictional WOUS, including wetlands. Historical and current aerial imagery can be compared across seasons and year-over-year to determine the potential occurrence of jurisdictional features. Seasonal variations in deciduous vegetation and the presence of stream channels, as well as inundated or saturated areas were all evaluated for their resource potential.

Based on this review of current and historical digital aerial imagery, jurisdictional features are likely present at most Quad mapped stream crossings, NWI mapped wetland features, and are potentially present in some of the secondary drainage features within the easement, as shown on the attached Desktop Wetland Review Maps.



June 28, 2022
Mr. James Young
Page 3 of 4

Reference: Line #183 Partial Rebuild Project

Soil Survey

The Natural Resources Conservation Service (NRCS) Web Soil Survey shows numerous soil types within the Project study area. For the purpose of this report, the location of hydric and partially hydric soils within the easement are of particular interest, as areas mapped with these soils generally have a high potential to contain jurisdictional features. It should be noted that areas mapped with non-hydric soils could also contain jurisdictional features.

A significant portion of the soils mapped within the study area are classified by the NRCS as non-hydric or predominately non-hydric. The hydric soils present include Albano silt loam, Alluvial land, Baile loam, Cartecay fine sandy loam, and Worsham loam. The only partially hydric soil listed within the project area is Hatboro-Codorus complex.

Results

The following table presents the approximate dimensions of potential jurisdictional features based on the desktop wetland review for the Project. These features are shown on the attached Desktop Wetland Review Map (Figure 2). As discussed above, all wetland features present within the study limits would likely be classified in the field as palustrine emergent (PEM) or scrub shrub (PSS) due to regular maintenance within the ROW. However, it should be noted that the distinction between emergent wetlands and scrub-shrub wetlands is often very difficult to ascertain using even the highest resolution aerial images and have been combined for this analysis.

PEM/PSS (Acres)	Open Water (Acres)	Stream Channels Acres (LF)
54.45	0.09	1.53 (13,187)

In addition, the probability of wetland occurrence was determined based upon the number of off-site resources giving a positive indication within a given area. The off-site resources considered for this probability analysis include current and historical aerial imagery, NWI mapping, hydric soil data, and Quad mapping/topography. The probability was determined as follows and results are summarized in the table below:

- High probability: Areas that demonstrate positive indicators for potential wetlands on all four of the above-mentioned off-site resources.
- Medium probability: Areas that demonstrate positive indicators for potential wetlands on two or three of the above-mentioned off-site resources.
- Low probability: Areas that demonstrate positive indicators for potential wetlands on one of the above-mentioned off-site resources.



June 28, 2022
Mr. James Young
Page 4 of 4

Reference: Line #183 Partial Rebuild Project

High Probability (acres)	Medium Probability (acres)	Low Probability (acres)
15.89	25.29	13.27

Conclusion

Based on Stantec's interpretation of the above-mentioned off-site resources, the potential exists for jurisdictional features to occur in association with all major drainage features (including floodplains) and some secondary drainages within the project area as depicted in the attached Desktop Wetland Review Map.

In order to verify the findings described in this report, Stantec recommends a detailed delineation of wetlands and other WOUS be performed within the final, approved project area followed by confirmation by the U.S. Army Corps of Engineers.

If you have any questions regarding the findings presented in this report, please feel free to contact me at your convenience.

Regards,

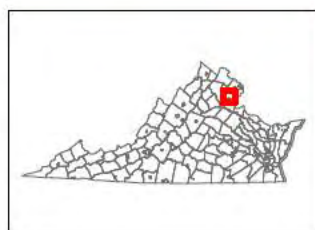
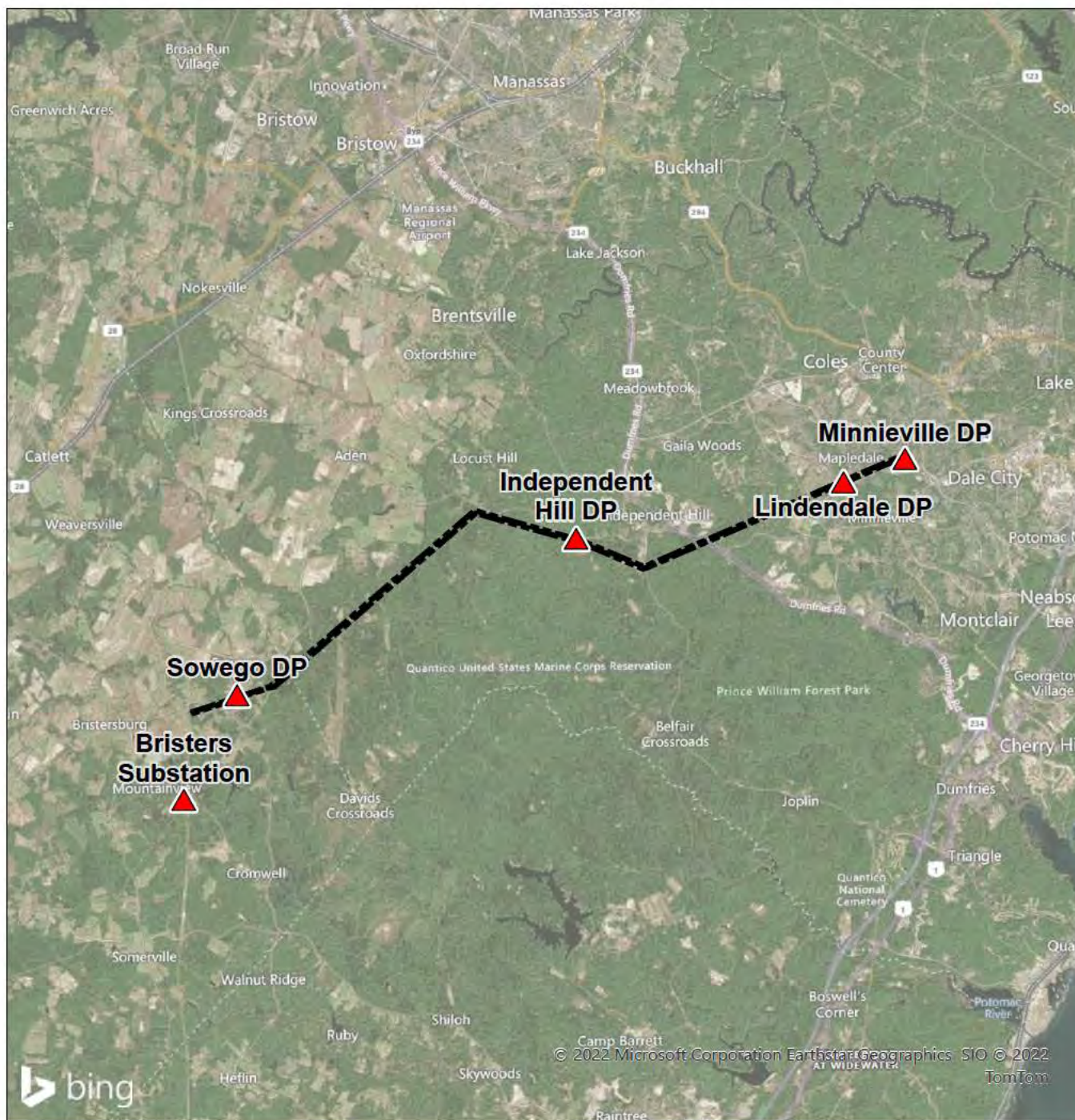
A handwritten signature in black ink, appearing to read "R. Scott Byrd, Jr.", written in a cursive style.

R. Scott Byrd, Jr., PWD
Ecologist
Phone: (757) 525-0536
Fax: (757) 229-4507
Scott.byrd@stantec.com

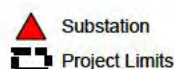
Enclosures: Figures 1, 2

cc. Ms. Nancy Reid – Dominion Energy Virginia
Mr. Corey Gray – Stantec Consulting Services Inc.

U:\203401769\03_data\field\ecology\Desktop Analysis\rpt_offsite_analy_01769_20220311.docx



Notes
1. Coordinate System: NAD 1983 StatePlane Virginia North FIPS 4501 Feet
2. Data Sources: Dominion Energy Virginia, Stantec, DCR
3. Orthoimagery © Bing Maps
4. Microsoft product screen shot(s) reprinted with permission from Microsoft Corporation



0 7,500 15,000 Feet
(At original document size of 8.5x11)
1:180,000



Project Location Prepared by MGS on 2022-02-28
Fauquier and Prince William Counties, Virginia TR by ECL on 2022-02-28
IR by KHP on 2022-02-28
Client/Project 2034017698
Dominion Energy Virginia
Line #183 Partial Rebuild Project

Figure No.
1
Title
Project Vicinity Map

Figure No.

2

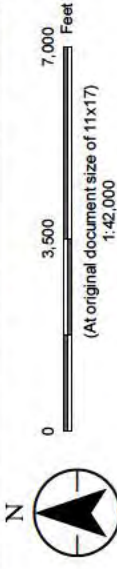
Title

Desktop Wetland Review Map

Client/Project 203401769

Dominion Energy Virginia
Line #183 Partial Rebuild Project

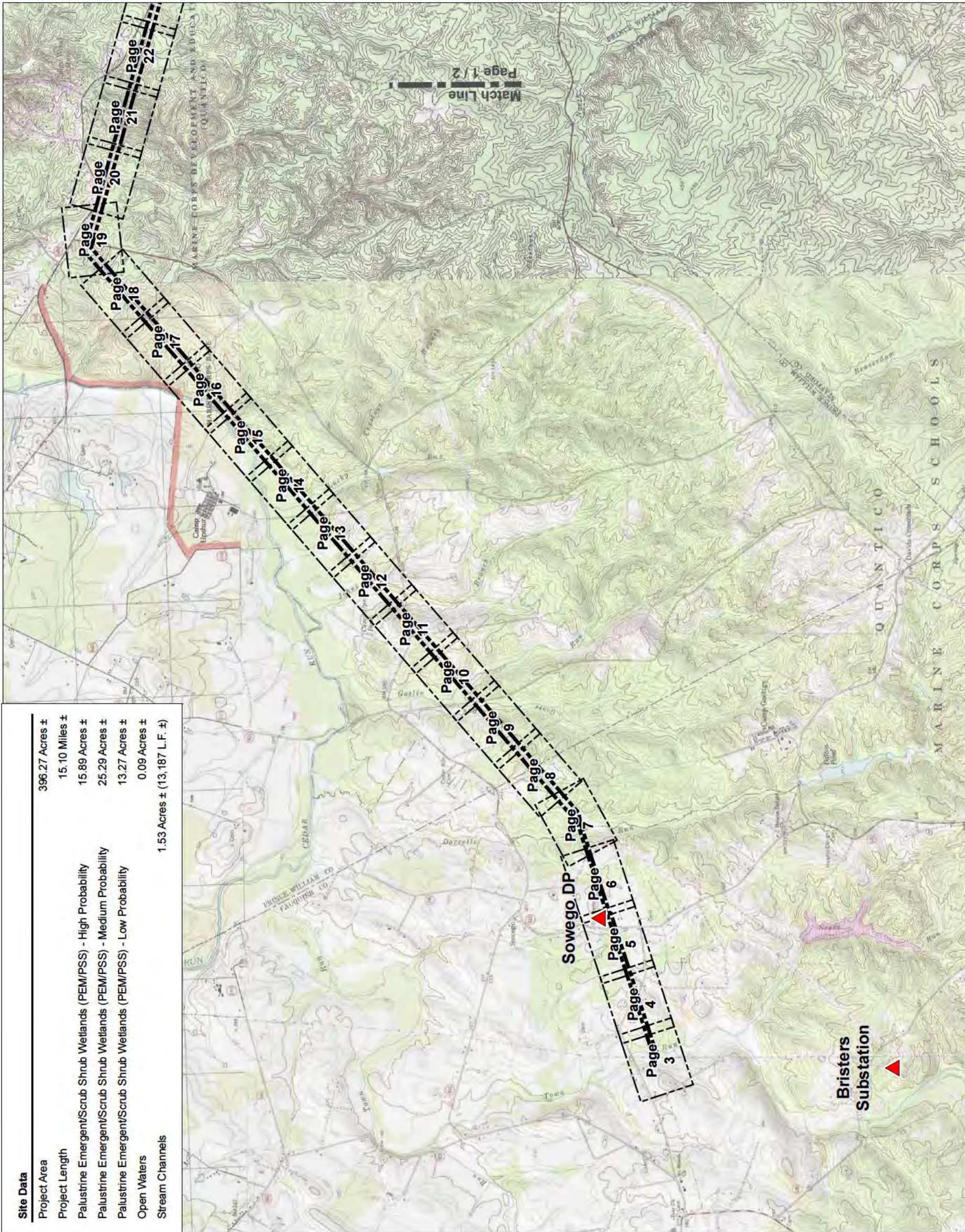
Project Location Prepared by MGS on 2022-01-07
Fauquier and Prince William Counties, Virginia TR by ECL on 2022-02-11
IR by KHP on 2022-02-11



- Substation
- Project Limits
- Page Index



Notes
1. Coordinate System: NAD 1983 StatePlane Virginia North FIPS 4501 Feet
2. Data Sources: Dominion Energy Virginia, Stantec, DCR
3. Topographic map © USGS 7.5 Minute Series Topographic Map, Nokesville, VA Quadrangle, 1987; Independent Hill, VA Quadrangle, 1984; Occoquan, VA Quadrangle, 1984; Somersville, VA Quadrangle, 1986 (Rev 1987); Joplin, VA Quadrangle, 2000; Quantico, VA Quadrangle, 1984



Site Data	
Project Area	396.27 Acres ±
Project Length	15.10 Miles ±
Palustrine Emergent/Scrub Shrub Wetlands (PEM/PSS) - High Probability	15.89 Acres ±
Palustrine Emergent/Scrub Shrub Wetlands (PEM/PSS) - Medium Probability	25.29 Acres ±
Palustrine Emergent/Scrub Shrub Wetlands (PEM/PSS) - Low Probability	13.27 Acres ±
Open Waters	0.09 Acres ±
Stream Channels	1.53 Acres ± (13,187 L.F. ±)

Figure No.

2

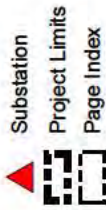
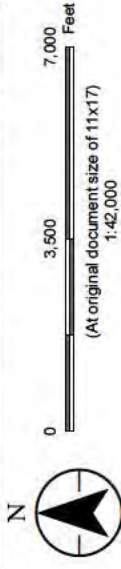
Title

Desktop Wetland Review Map

Client/Project 203401769

Dominion Energy Virginia
Line #183 Partial Rebuild Project

Project Location Prepared by MGS on 2022-01-07
Fauquier and Prince William Counties, Virginia TR by ECL on 2022-02-11
IR by KJP on 2022-02-11



Notes
1. Coordinate System: NAD 1983 StatePlane Virginia North FIPS 4501 Feet
2. Data Sources: Dominion Energy Virginia, Stantec, DCR
3. Topographic map © USGS 7.5 Minute Series Topographic Map, Nokesville, VA Quadrangle, 1987; Independent Hill, VA Quadrangle, 1984; Occoquan, VA Quadrangle, 1984; Somersville, VA Quadrangle, 1986 (Rev 1987); Joplin, VA Quadrangle, 2000; Quantico, VA Quadrangle, 1984

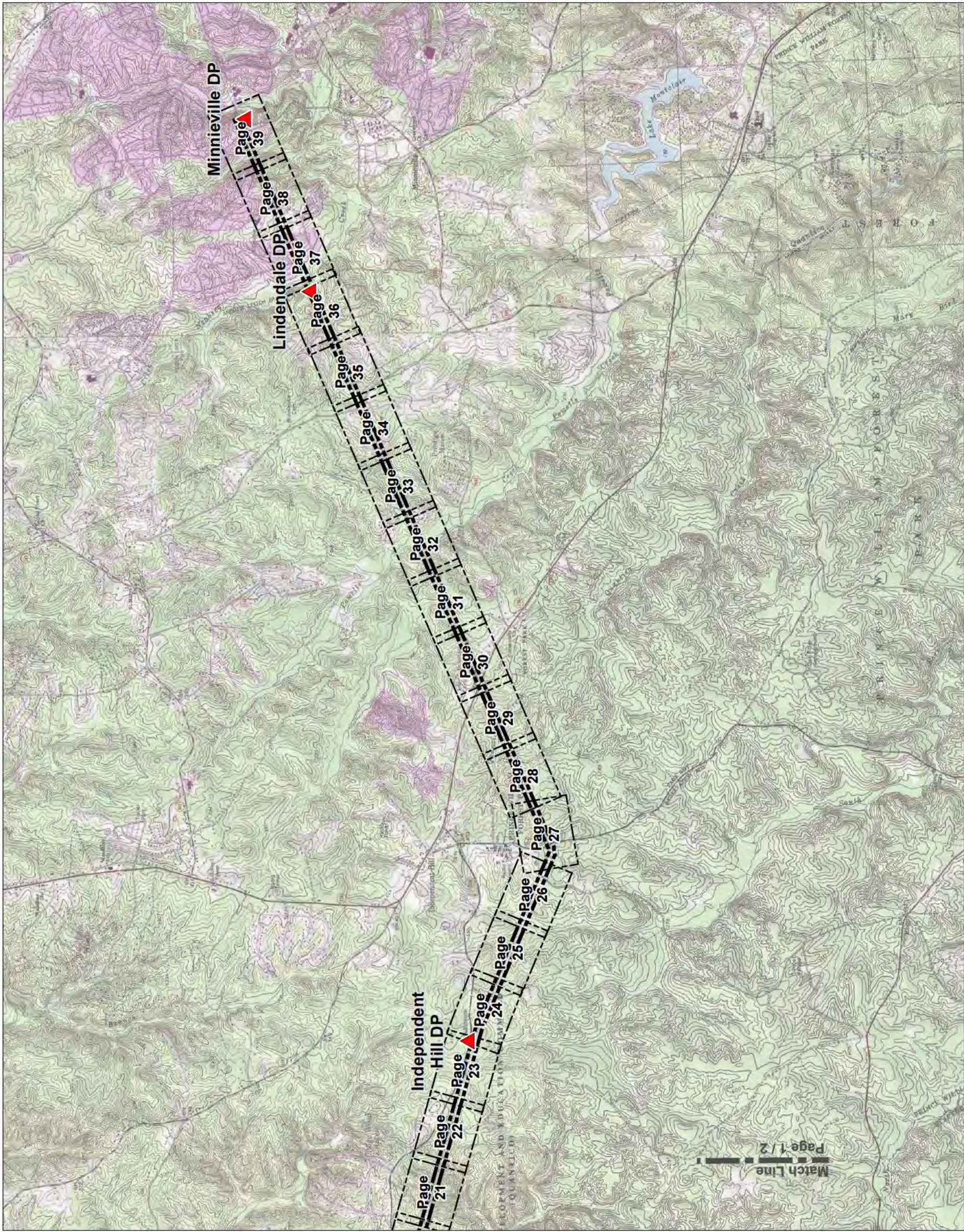
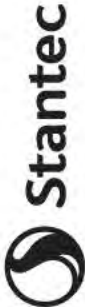


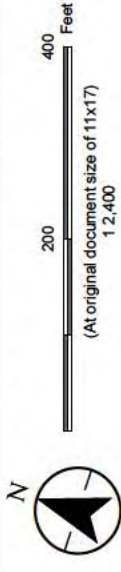
Figure No.

2

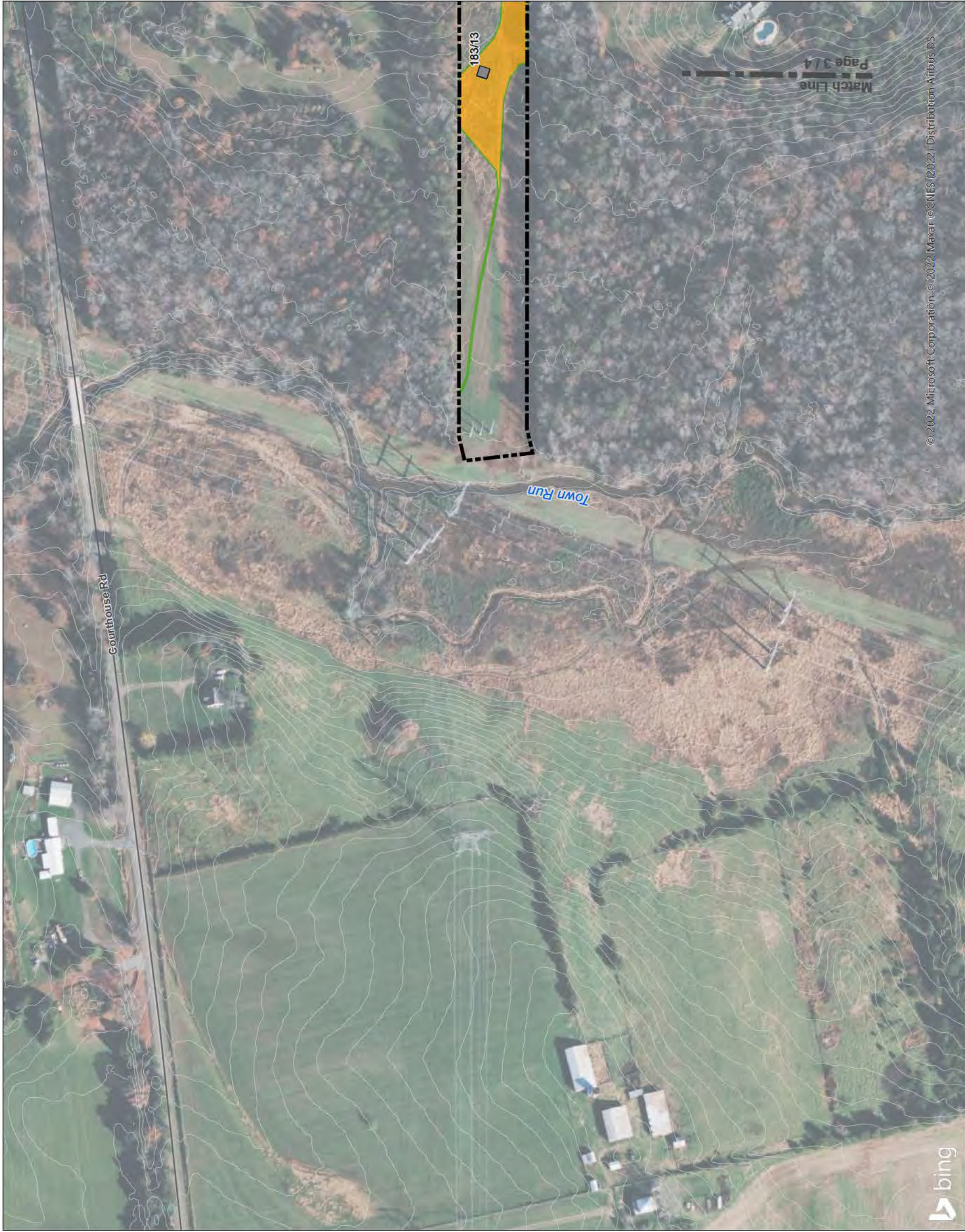
Title

Desktop Wetland Review Map

Client/Project	203401769
Dominion Energy Virginia	
Line #183 Partial Rebuild Project	
Project Location	Prepared by MGS on 2022-01-07 TR by ECL on 2022-02-11 IR by KHP on 2022-02-11
Fauquier and Prince William Counties, Virginia	



- Substation
- Existing Structure Location
- Project Limits
- Approximate PEM/PSS Wetland - High Probability
- Approximate PEM/PSS Wetland - Medium Probability
- Approximate PEM/PSS Wetland - Low Probability
- Approximate Stream
- Approximate Open Water
- 2-Foot Contour



Notes:
1. Coordinate System: NAD 1983 StatePlane Virginia North FIPS 4501 Feet
2. Data Sources: Dominion Energy Virginia, Stantec, DCR, VGIN, USGS National Hydrography Dataset (NHD), Topography generated from digital elevation model derived from VGIN LiDAR
3. The limits of potential wetlands of the U.S., including wetlands have been identified using desktop analysis techniques and have not been confirmed or been field surveyed and are for planning purposes only.
4. Orthomage © Bing Maps
5. Microsoft product screen shot(s) reprinted with permission from Microsoft Corporation

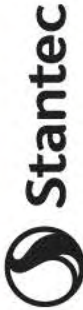


Figure No.

2

Title

Desktop Wetland Review Map

Client/Project 203401769

Dominion Energy Virginia
Line #183 Partial Rebuild Project

Project Location Prepared by MGS on 2022-01-07
Fauquier and Prince William Counties, Virginia TR by ECL on 2022-02-11
IR by KHP on 2022-02-11



- Substation
- Existing Structure Location
 - Project Limits
 - Approximate PEM/PSS Wetland - High Probability
 - Approximate PEM/PSS Wetland - Medium Probability
 - Approximate PEM/PSS Wetland - Low Probability
 - Approximate Stream
 - Approximate Open Water
 - 2-Foot Contour



Notes
1. Coordinate System: NAD 1983 StatePlane Virginia North FIPS 4501 Feet
2. Data Sources: Dominion Energy Virginia, Stantec, DCR, VGIN, USGS National Hydrography Dataset (NHD), Topography generated from digital elevation model derived from VGIN LiDAR
3. The limits of potential waters of the U.S., including wetlands have been identified using desktop analysis techniques and have not been confirmed or been field surveyed and are for planning purposes only.
4. Orthomage © Bing Maps
5. Microsoft product screen shot(s) reprinted with permission from Microsoft Corporation



Figure No.

2

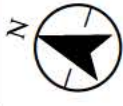
Title

Desktop Wetland Review Map

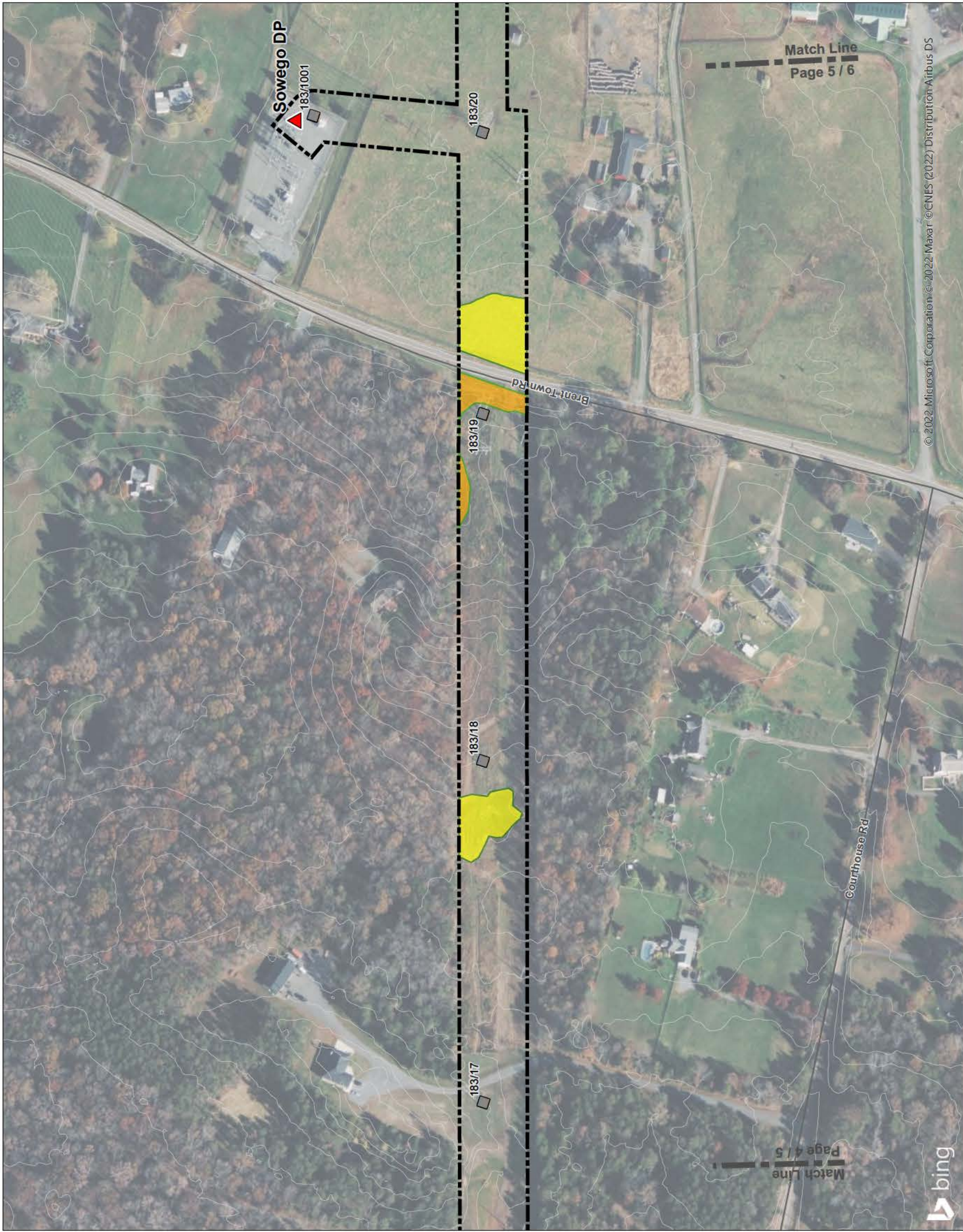
Client/Project 203401766

Dominion Energy Virginia
Line #183 Partial Rebuild Project

Project Location Prepared by MGS on 2022-01-07
Fauquier and Prince William Counties, Virginia TR by ECL on 2022-02-11
IR by KHP on 2022-02-11



- Substation
- Existing Structure Location
 - Project Limits
 - Approximate PEM/PSS Wetland - High Probability
 - Approximate PEM/PSS Wetland - Medium Probability
 - Approximate PEM/PSS Wetland - Low Probability
 - Approximate Stream
 - Approximate Open Water
 - 2-Foot Contour



Notes

1. Coordinate System: NAD 1983 StatePlane Virginia North FIPS 4501 Feet
2. Data Sources: Dominion Energy Virginia, Stantec, DCR, VGIN, USGS National Hydrography Dataset (NHD), Topography generated from digital elevation model derived from VGIN LiDAR
3. The limits of potential wetlands of the U.S., including wetlands have been identified using desktop analysis techniques and have not been confirmed or been field survey located and are for planning purposes only.
4. Orthomageary © Bing Maps
5. Microsoft product screen shot(s) reprinted with permission from Microsoft Corporation



Page 5 of 39

Figure No.

2

Title

Desktop Wetland Review Map

Client/Project 203401766

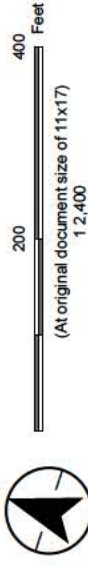
Dominion Energy Virginia
Line #183 Partial Rebuild Project

Project Location Prepared by MGS on 2022-01-07

Fauquier and Prince William Counties, Virginia TR by ECL on 2022-02-11

IR by KHP on 2022-02-11

North Arrow



Substation

Existing Structure Location

Project Limits

Approximate PEM/PSS Wetland - High Probability

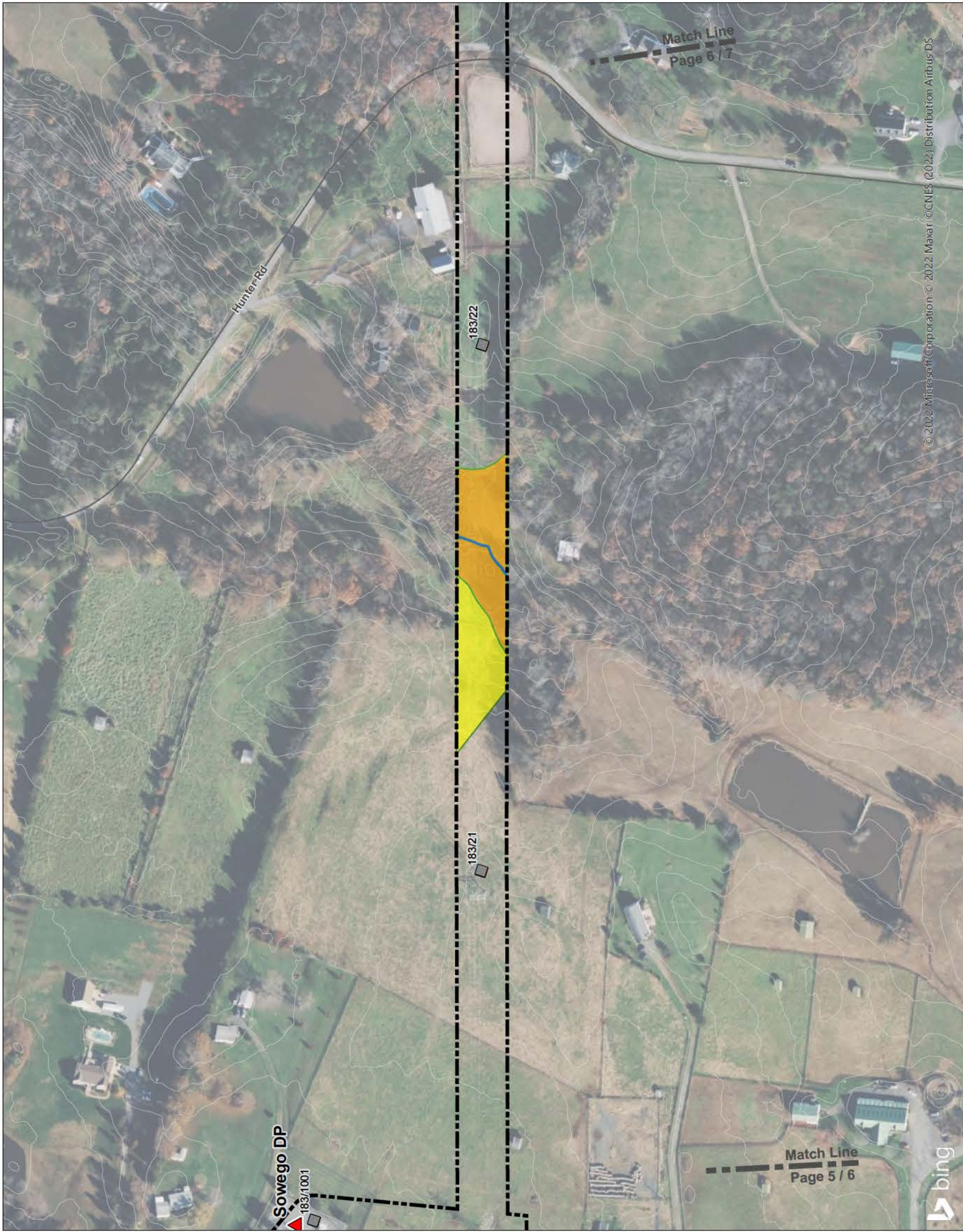
Approximate PEM/PSS Wetland - Medium Probability

Approximate PEM/PSS Wetland - Low Probability

Approximate Stream

Approximate Open Water

2-Foot Contour



Notes:
1. Coordinate System: NAD 1983 StatePlane Virginia North FIPS 4501 Feet
2. Data Sources: Dominion Energy Virginia, Stantec, DCR, VGIN, USGS National Hydrography Dataset (NHD), Topography generated from digital elevation model derived from VGIN LiDAR
3. The limits of potential waters of the U.S., including wetlands have been identified using desktop analysis techniques and have not been confirmed or been field surveyed and are for planning purposes only.
4. Orthomageary © Bing Maps
5. Microsoft product screen shot(s) reprinted with permission from Microsoft Corporation





Figure No.	Title
2	Desktop Wetland Review Map

Client/Project Dominion Energy Virginia Line #183 Partial Rebuild Project	Project Location Fauquier and Prince William Counties, Virginia	Prepared by MGS on 2022-01-07 TR by ECL on 2022-02-11 IR by KHP on 2022-02-11	2024101759
---	--	--	---

 Substation
 Existing Structure Location
 Project Limits
 Approximate PEM/PSS Wetland - High Probability
 Approximate PEM/PSS Wetland - Medium Probability
 Approximate PEM/PSS Wetland - Low Probability
 Approximate Stream
 Approximate Open Water
 2-Foot Contour

Notes

1. Coordinate System: NAD 1983 StatePlane Virginia North FIPS 4501 Feet
2. Data Sources: Dominion Energy Virginia, Stantec, DER, VGIN, USGS National Hydrography Dataset (NHD), topography generated from digital elevation model derived from VGIN UDAR
3. The limits of potential waters of this U.S., including wetlands have been identified using the National Wetlands Inventory (NWI) and have not been confirmed or been field survey located and are for planning purposes only.
4. Orthomosaic © Bing Maps
5. Microsoft product screen shot(s) reprinted with permission from Microsoft Corporation

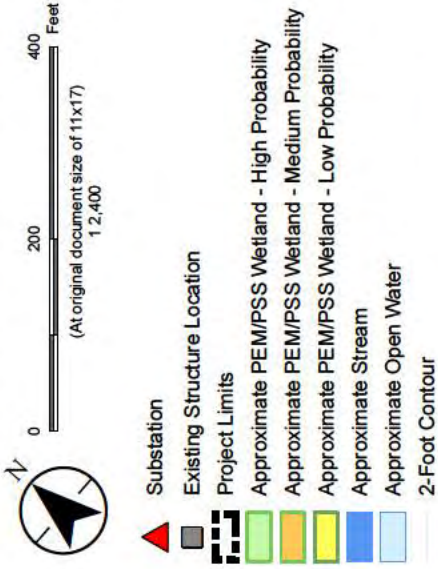
Figure No.

2

Title

Desktop Wetland Review Map

Client/Project	203401769
Dominion Energy Virginia	
Line #183 Partial Rebuild Project	
Project Location	
Fauquier and Prince William Counties, Virginia	
Prepared by MGS on 2022-01-07	
TR by ECL on 2022-02-11	
IR by KAP on 2022-02-11	



Notes

1. Coordinate System: NAD 1983 StatePlane Virginia North FIPS 4501 Feet
2. Data Sources: Dominion Energy Virginia, Stantec, DCR, VGIN, USGS National Hydrography Dataset (NHD), Topography generated from digital elevation model derived from VGIN LiDAR
3. The limits of potential waters of the U.S., including wetlands have been identified using desktop analysis techniques and have not been confirmed or been field survey located and are for planning purposes only.
4. Orthomageary © Bing Maps
5. Microsoft product screen shot(s) reprinted with permission from Microsoft Corporation

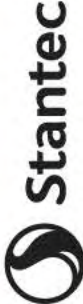


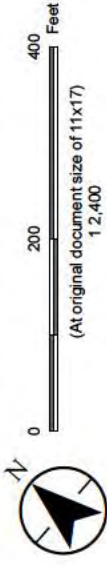
Figure No.

2

Title

Desktop Wetland Review Map

Client/Project	203401769
Dominion Energy Virginia	
Line #183 Partial Rebuild Project	
Project Location	Prepared by MGS on 2022-01-07 TR by ECL on 2022-02-11 IR by KHP on 2022-02-11
Fauquier and Prince William Counties, Virginia	



- Substation
- Existing Structure Location
- Project Limits
- Approximate PEM/PSS Wetland - High Probability
- Approximate PEM/PSS Wetland - Medium Probability
- Approximate PEM/PSS Wetland - Low Probability
- Approximate Stream
- Approximate Open Water
- 2-Foot Contour



Notes

1. Coordinate System: NAD 1983 StatePlane Virginia North FIPS 4501 Feet
2. Data Sources: Dominion Energy Virginia, Stantec, DCR, VGIN, USGS National Hydrography Dataset (NHD), Topography generated from digital elevation model derived from VGIN LiDAR
3. The limits of potential waters of the U.S., including wetlands have been identified using desktop analysis techniques and have not been confirmed or been field survey located and are for planning purposes only.
4. Orthomagey © Bing Maps
5. Microsoft product screen shot(s) reprinted with permission from Microsoft Corporation

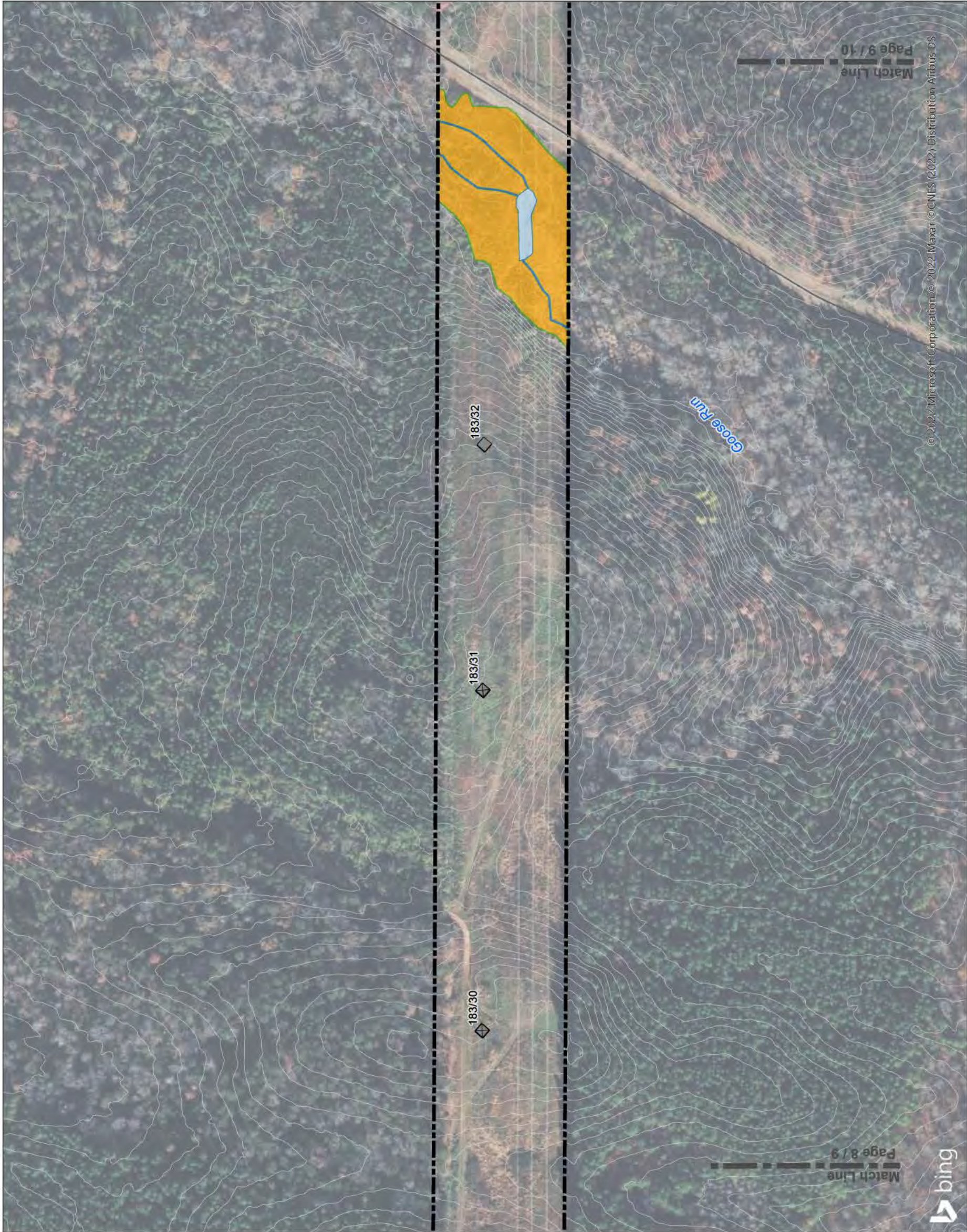
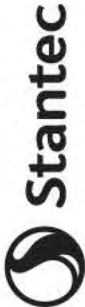


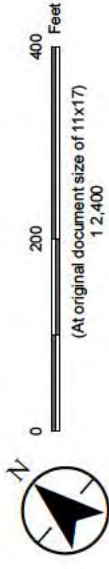
Figure No.

2

Title

Desktop Wetland Review Map

Client/Project	203401769
Dominion Energy Virginia Line #183 Partial Rebuild Project	
Project Location	Prepared by MGS on 2022-01-07 TR by ECL on 2022-02-11 IR by KAP on 2022-02-11 Fauquier and Prince William Counties, Virginia



- Substation
- Existing Structure Location
- Project Limits
- Approximate PEM/PSS Wetland - High Probability
- Approximate PEM/PSS Wetland - Medium Probability
- Approximate PEM/PSS Wetland - Low Probability
- Approximate Stream
- Approximate Open Water
- 2-Foot Contour



Notes

1. Coordinate System: NAD 1983 StatePlane Virginia North FIPS 4501 Feet
2. Data Sources: Dominion Energy Virginia, Stantec, DCR, VGIN, USGS National Hydrography Dataset (NHD), Topography generated from digital elevation model derived from VGIN LiDAR
3. The limits of potential waters of the U.S., including wetlands have been identified using desktop analysis techniques and have not been confirmed or been field surveyed and are for planning purposes only.
4. Orthomagey © Bing Maps
5. Microsoft product screen shot(s) reprinted with permission from Microsoft Corporation

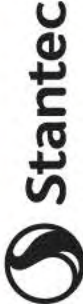


Figure No.

2

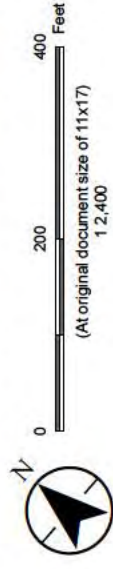
Title

Desktop Wetland Review Map

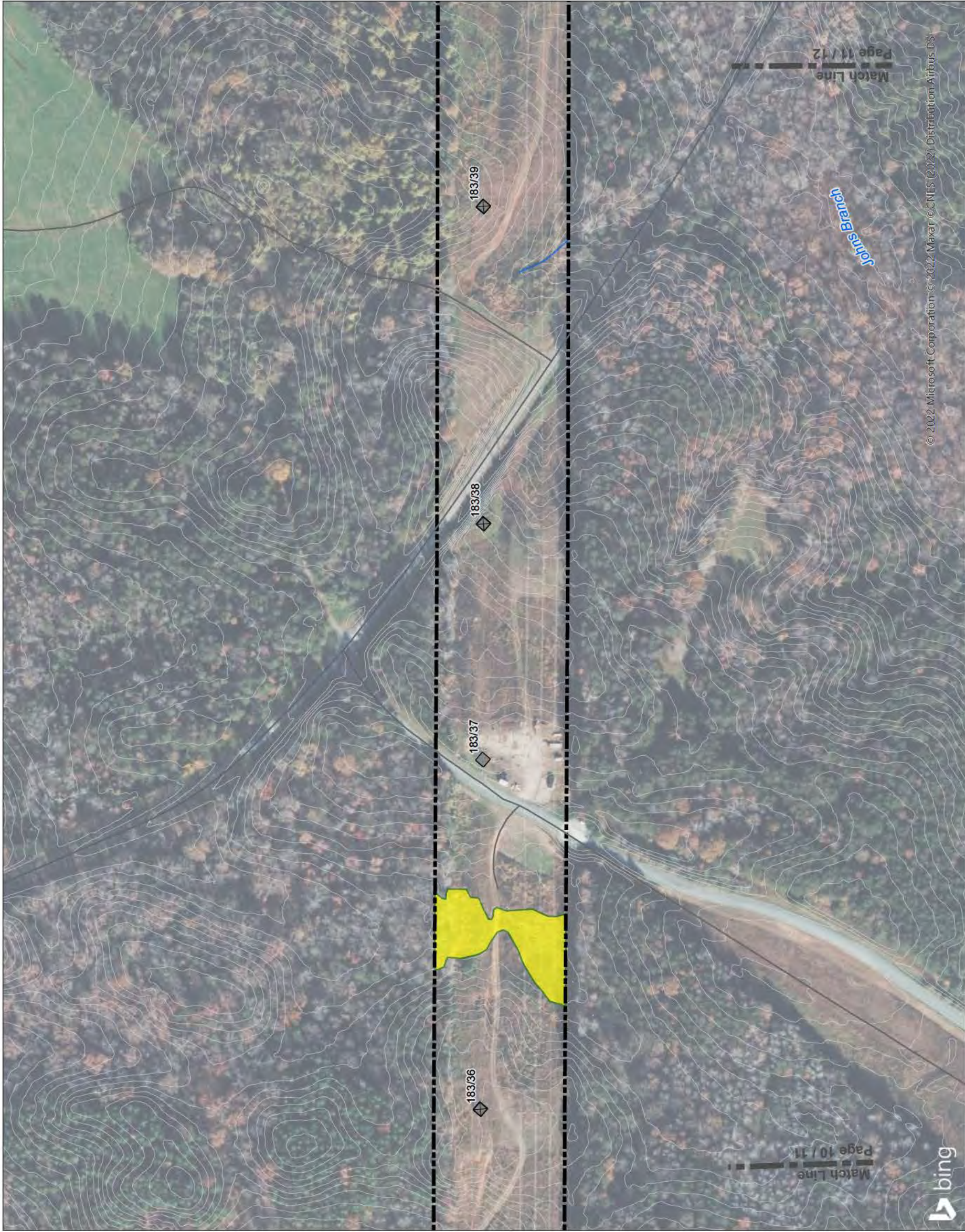
Client/Project 203401769

Dominion Energy Virginia
Line #183 Partial Rebuild Project

Project Location Prepared by MGS on 2022-01-07
Fauquier and Prince William Counties, Virginia TR by ECL on 2022-02-11
IR by KAP on 2022-02-11



- Substation
- Existing Structure Location
- Project Limits
- Approximate PEM/PSS Wetland - High Probability
- Approximate PEM/PSS Wetland - Medium Probability
- Approximate PEM/PSS Wetland - Low Probability
- Approximate Stream
- Approximate Open Water
- 2-Foot Contour



Notes
1. Coordinate System: NAD 1983 StatePlane Virginia North FIPS 4501 Feet
2. Data Sources: Dominion Energy Virginia, Stantec, DCR, VGIN, USGS National Hydrography Dataset (NHD), Topography generated from digital elevation model derived from VGIN LiDAR
3. The limits of potential waters of the U.S., including wetlands have been identified using desktop analysis techniques and have not been confirmed or been field surveyed and are for planning purposes only.
4. Orthomageary © Bing Maps
5. Microsoft product screen shot(s) reprinted with permission from Microsoft Corporation



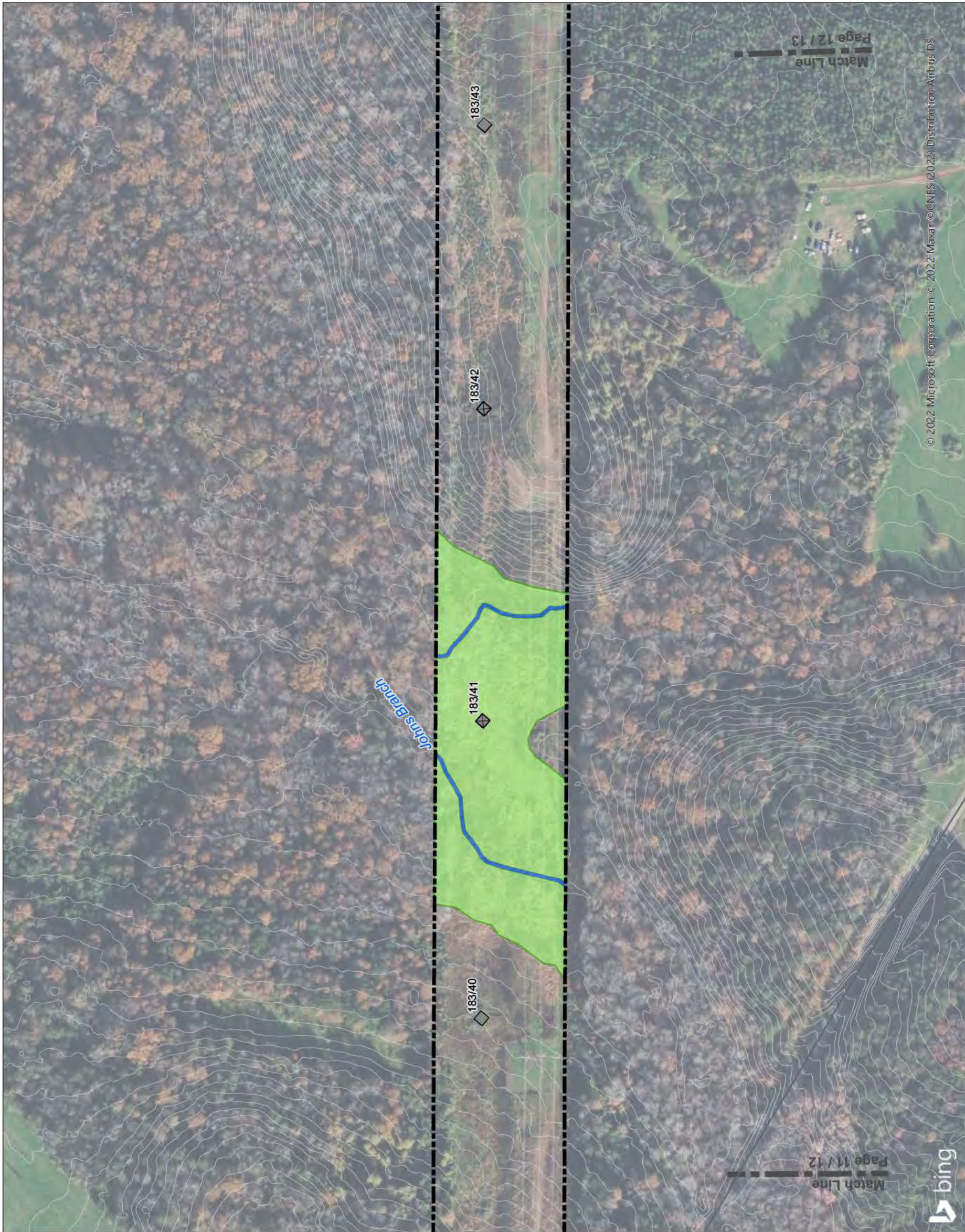
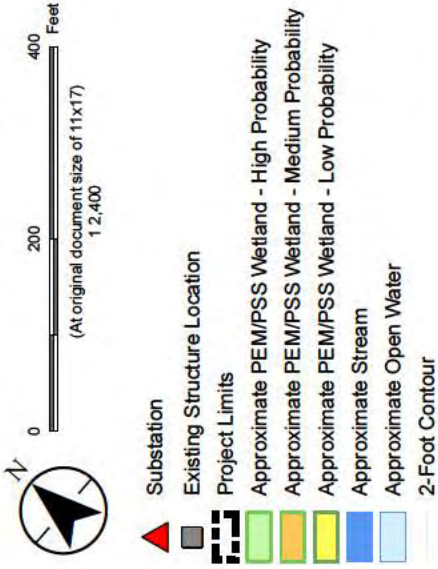
Figure No.

2

Title

Desktop Wetland Review Map

Client/Project	203401769
Dominion Energy Virginia Line #183 Partial Rebuild Project	
Project Location	Prepared by MGS on 2022-01-07 TR by ECL on 2022-02-11 IR by KHP on 2022-02-11 Fauquier and Prince William Counties, Virginia



Notes:
1. Coordinate System: NAD 1983 StatePlane Virginia North FIPS 4501 Feet
2. Data Sources: Dominion Energy Virginia, Stantec, DCR, VGIN, USGS National Hydrography Dataset (NHD), Topography generated from digital elevation model derived from VGIN LiDAR
3. The limits of potential waters of the U.S., including wetlands have been identified using desktop analysis techniques and have not been confirmed or been field survey located and are for planning purposes only.
4. Orthomage © Bing Maps
5. Microsoft product screen shot(s) reprinted with permission from Microsoft Corporation

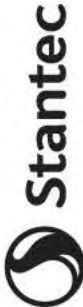


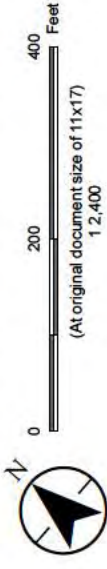
Figure No.

2

Title

Desktop Wetland Review Map

Client/Project	203401769
Dominion Energy Virginia	
Line #183 Partial Rebuild Project	
Project Location	Prepared by MGS on 2022-01-07 TR by ECL on 2022-02-11 IR by KHP on 2022-02-11
Fauquier and Prince William Counties, Virginia	



- Substation
- Existing Structure Location
- Project Limits
- Approximate PEM/PSS Wetland - High Probability
- Approximate PEM/PSS Wetland - Medium Probability
- Approximate PEM/PSS Wetland - Low Probability
- Approximate Stream
- Approximate Open Water
- 2-Foot Contour



Notes

1. Coordinate System: NAD 1983 StatePlane Virginia North FIPS 4501 Feet
2. Data Sources: Dominion Energy Virginia, Stantec, DCR, VGIN, USGS National Hydrography Dataset (NHD), Topography generated from digital elevation model derived from VGIN LIDAR
3. The limits of potential waters of the U.S., including wetlands have been identified using desktop analysis techniques and have not been confirmed or been field survey located and are for planning purposes only.
4. Orthomageary © Bing Maps
5. Microsoft product screen shot(s) reprinted with permission from Microsoft Corporation

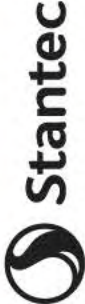


Figure No.

2

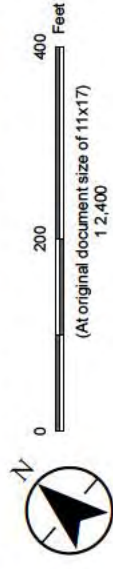
Title

Desktop Wetland Review Map

Client/Project 203401769

Dominion Energy Virginia
Line #183 Partial Rebuild Project

Project Location Prepared by MGS on 2022-01-07
Fauquier and Prince William Counties, Virginia TR by ECL on 2022-02-11
IR by KHP on 2022-02-11



- Substation
- Existing Structure Location
- Project Limits
- Approximate PEM/PSS Wetland - High Probability
- Approximate PEM/PSS Wetland - Medium Probability
- Approximate PEM/PSS Wetland - Low Probability
- Approximate Stream
- Approximate Open Water
- 2-Foot Contour



Notes
1. Coordinate System: NAD 1983 StatePlane Virginia North FIPS 4501 Feet
2. Data Sources: Dominion Energy Virginia, Stantec, DCR, VGIN, USGS National Hydrography Dataset (NHD), Topography generated from digital elevation model derived from VGIN LIDAR
3. The limits of potential waters of the U.S., including wetlands have been identified using desktop analysis techniques and have not been confirmed or been field surveyed and are for planning purposes only.
4. Orthomageary © Bing Maps
5. Microsoft product screen shot(s) reprinted with permission from Microsoft Corporation

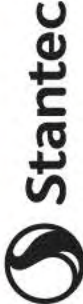


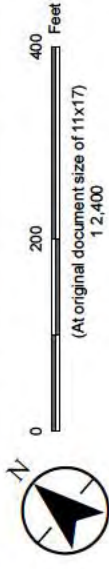
Figure No.

2

Title

Desktop Wetland Review Map

Client/Project	203401769
Dominion Energy Virginia Line #183 Partial Rebuild Project	
Project Location	Prepared by MGS on 2022-01-07 TR by ECL on 2022-02-11 IR by KAP on 2022-02-11 Fauquier and Prince William Counties, Virginia



- Substation
- Existing Structure Location
- Project Limits
- Approximate PEM/PSS Wetland - High Probability
- Approximate PEM/PSS Wetland - Medium Probability
- Approximate PEM/PSS Wetland - Low Probability
- Approximate Stream
- Approximate Open Water
- 2-Foot Contour



Notes

1. Coordinate System: NAD 1983 StatePlane Virginia North FIPS 4501 Feet
2. Data Sources: Dominion Energy Virginia, Stantec, DCR, VGIN, USGS National Hydrography Dataset (NHD), Topography generated from digital elevation model derived from VGIN LIDAR
3. The limits of potential waters of the U.S., including wetlands have been identified using desktop analysis techniques and have not been confirmed or been field survey located and are for planning purposes only.
4. Orthomagey © Bing Maps
5. Microsoft product screen shot(s) reprinted with permission from Microsoft Corporation

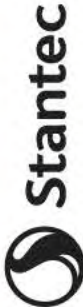


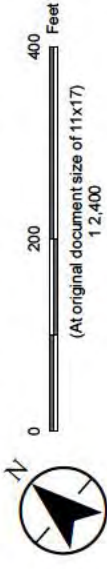
Figure No.

2

Title

Desktop Wetland Review Map

Client/Project	203401769
Dominion Energy Virginia Line #183 Partial Rebuild Project	
Project Location	Prepared by MGS on 2022-01-07 TR by ECL on 2022-02-11 IR by KHP on 2022-02-11 Fauquier and Prince William Counties, Virginia



- Substation
- Existing Structure Location
- Project Limits
- Approximate PEM/PSS Wetland - High Probability
- Approximate PEM/PSS Wetland - Medium Probability
- Approximate PEM/PSS Wetland - Low Probability
- Approximate Stream
- Approximate Open Water
- 2-Foot Contour



Notes

1. Coordinate System: NAD 1983 StatePlane Virginia North FIPS 4501 Feet
2. Data Sources: Dominion Energy Virginia, Stantec, DCR, VGIN, USGS National Hydrography Dataset (NHD), Topography generated from digital elevation model derived from VGIN LiDAR
3. The limits of potential waters of the U.S., including wetlands have been identified using desktop analysis techniques and have not been confirmed or been field surveyed and are for planning purposes only.
4. Orthomageary © Bing Maps
5. Microsoft product screen shot(s) reprinted with permission from Microsoft Corporation

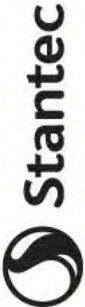


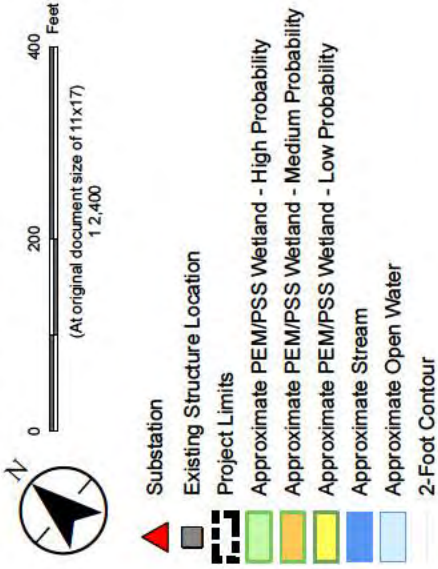
Figure No.

2

Title

Desktop Wetland Review Map

Client/Project	203401769
Dominion Energy Virginia	
Line #183 Partial Rebuild Project	
Project Location	Prepared by MGS on 2022-01-07 TR by ECL on 2022-02-11 IR by KHP on 2022-02-11
Fauquier and Prince William Counties, Virginia	



Notes
1. Coordinate System: NAD 1983 StatePlane Virginia North FIPS 4501 Feet
2. Data Sources: Dominion Energy Virginia, Stantec, DCR, VGIN, USGS National Hydrography Dataset (NHD), Topography generated from digital elevation model derived from VGIN LiDAR
3. The limits of potential waters of the U.S., including wetlands have been identified using desktop analysis techniques and have not been confirmed or been field surveyed and are for planning purposes only.
4. Orthomageary © Bing Maps
5. Microsoft product screen shot(s) reprinted with permission from Microsoft Corporation

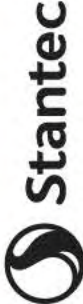


Figure No.

2

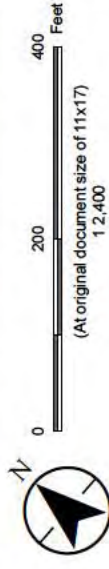
Title

Desktop Wetland Review Map

Client/Project 203401769

Dominion Energy Virginia
Line #183 Partial Rebuild Project

Project Location Prepared by MGS on 2022-01-07
Fauquier and Prince William Counties, Virginia TR by ECL on 2022-02-11
IR by KHP on 2022-02-11



- Substation
- Existing Structure Location
- Project Limits
- Approximate PEM/PSS Wetland - High Probability
- Approximate PEM/PSS Wetland - Medium Probability
- Approximate PEM/PSS Wetland - Low Probability
- Approximate Stream
- Approximate Open Water
- 2-Foot Contour



Notes
1. Coordinate System: NAD 1983 StatePlane Virginia North FIPS 4501 Feet
2. Data Sources: Dominion Energy Virginia, Stantec, DCR, VGIN, USGS National Hydrography Dataset (NHD), Topography generated from digital elevation model derived from VGIN LIDAR
3. The limits of potential waters of the U.S., including wetlands have been identified using desktop analysis techniques and have not been confirmed or been field surveyed and are for planning purposes only.
4. Orthomageary © Bing Maps
5. Microsoft product screen shot(s) reprinted with permission from Microsoft Corporation

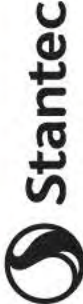


Figure No.

2

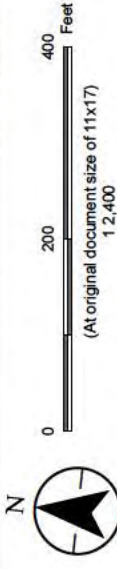
Title

Desktop Wetland Review Map

Client/Project 203401769

Dominion Energy Virginia
Line #183 Partial Rebuild Project

Project Location Prepared by MGS on 2022-01-07
Fauquier and Prince William Counties, Virginia TR by ECL on 2022-02-11
IR by KHP on 2022-02-11



- Substation
- Existing Structure Location
- Project Limits
- Approximate PEM/PSS Wetland - High Probability
- Approximate PEM/PSS Wetland - Medium Probability
- Approximate PEM/PSS Wetland - Low Probability
- Approximate Stream
- Approximate Open Water
- 2-Foot Contour



Notes
1. Coordinate System: NAD 1983 StatePlane Virginia North FIPS 4501 Feet
2. Data Sources: Dominion Energy Virginia, Stantec, DCR, VGIN, USGS National Hydrography Dataset (NHD), Topography generated from digital elevation model derived from VGIN LIDAR
3. The limits of potential waters of the U.S., including wetlands have been identified using desktop analysis techniques and have not been confirmed or been field survey located and are for planning purposes only.
4. Orthomageary © Bing Maps
5. Microsoft product screen shot(s) reprinted with permission from Microsoft Corporation

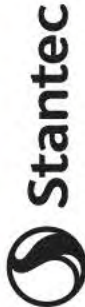


Figure No.

2

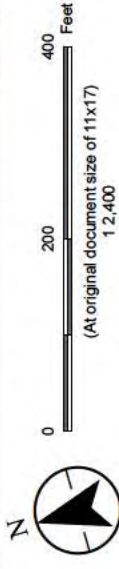
Title

Desktop Wetland Review Map

Client/Project 203401769

Dominion Energy Virginia
Line #183 Partial Rebuild Project

Project Location Prepared by MGS on 2022-01-07
Fauquier and Prince William Counties, Virginia TR by ECL on 2022-02-11
IR by KHP on 2022-02-11



- Substation
- Existing Structure Location
- Project Limits
- Approximate PEM/PSS Wetland - High Probability
- Approximate PEM/PSS Wetland - Medium Probability
- Approximate PEM/PSS Wetland - Low Probability
- Approximate Stream
- Approximate Open Water
- 2-Foot Contour



Notes
1. Coordinate System: NAD 1983 StatePlane Virginia North FIPS 4501 Feet
2. Data Sources: Dominion Energy Virginia, Stantec, DCR, VGIN, USGS National Hydrography Dataset (NHD), Topography generated from digital elevation model derived from VGIN LIDAR
3. The limits of potential waters of the U.S., including wetlands have been identified using desktop analysis techniques and have not been confirmed or been field surveyed and are for planning purposes only.
4. Orthomageary © Bing Maps
5. Microsoft product screen shot(s) reprinted with permission from Microsoft Corporation

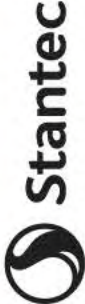


Figure No.

2

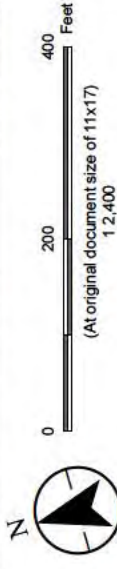
Title

Desktop Wetland Review Map

Client/Project 203401769

Dominion Energy Virginia
Line #183 Partial Rebuild Project

Project Location Prepared by MGS on 2022-01-07
Fauquier and Prince William Counties, Virginia TR by ECL on 2022-02-11
IR by KHP on 2022-02-11



- Substation
- Existing Structure Location
- Project Limits
- Approximate PEM/PSS Wetland - High Probability
- Approximate PEM/PSS Wetland - Medium Probability
- Approximate PEM/PSS Wetland - Low Probability
- Approximate Stream
- Approximate Open Water
- 2-Foot Contour



Notes
1. Coordinate System: NAD 1983 StatePlane Virginia North FIPS 4501 Feet
2. Data Sources: Dominion Energy Virginia, Stantec, DCR, VGIN, USGS National Hydrography Dataset (NHD), Topography generated from digital elevation model derived from VGIN LiDAR
3. The limits of potential waters of the U.S., including wetlands have been identified using desktop analysis techniques and have not been confirmed or been field survey located and are for planning purposes only.
4. Orthomageary © Bing Maps
5. Microsoft product screen shot(s) reprinted with permission from Microsoft Corporation

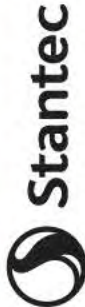


Figure No.

2

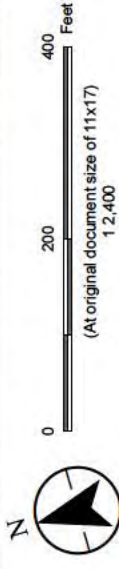
Title

Desktop Wetland Review Map

Client/Project 203401769

Dominion Energy Virginia
Line #183 Partial Rebuild Project

Project Location Prepared by MGS on 2022-01-07
Fauquier and Prince William Counties, Virginia TR by ECL on 2022-02-11
IR by KHP on 2022-02-11



- Substation
- Existing Structure Location
- Project Limits
- Approximate PEM/PSS Wetland - High Probability
- Approximate PEM/PSS Wetland - Medium Probability
- Approximate PEM/PSS Wetland - Low Probability
- Approximate Stream
- Approximate Open Water
- 2-Foot Contour



Notes
1. Coordinate System: NAD 1983 StatePlane Virginia North FIPS 4501 Feet
2. Data Sources: Dominion Energy Virginia, Stantec, DCR, VGIN, USGS National Hydrography Dataset (NHD), Topography generated from digital elevation model derived from VGIN LIDAR
3. The limits of potential waters of the U.S., including wetlands have been identified using desktop analysis techniques and have not been confirmed or been field surveyed and are for planning purposes only.
4. Orthomagey © Bing Maps
5. Microsoft product screen shot(s) reprinted with permission from Microsoft Corporation

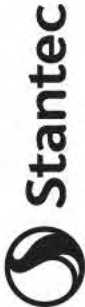


Figure No.

2

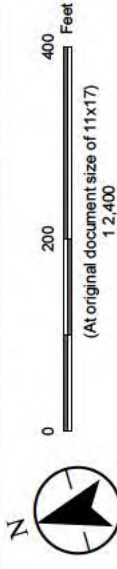
Title

Desktop Wetland Review Map

Client/Project 203401769

Dominion Energy Virginia
Line #183 Partial Rebuild Project

Project Location Prepared by MGS on 2022-01-07
Fauquier and Prince William Counties, Virginia TR by ECL on 2022-02-11
IR by KHP on 2022-02-11



- Substation
- Existing Structure Location
- Project Limits
- Approximate PEM/PSS Wetland - High Probability
- Approximate PEM/PSS Wetland - Medium Probability
- Approximate PEM/PSS Wetland - Low Probability
- Approximate Stream
- Approximate Open Water
- 2-Foot Contour



Notes
1. Coordinate System: NAD 1983 StatePlane Virginia North FIPS 4501 Feet
2. Data Sources: Dominion Energy Virginia, Stantec, DCR, VGIN, USGS National Hydrography Dataset (NHD), Topography generated from digital elevation model derived from VGIN LiDAR
3. The limits of potential waters of the U.S., including wetlands have been identified using desktop analysis techniques and have not been confirmed or been field survey located and are for planning purposes only.
4. Orthomageary © Bing Maps
5. Microsoft product screen shot(s) reprinted with permission from Microsoft Corporation



Figure No.

2

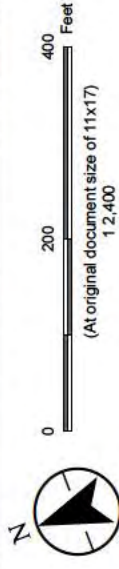
Title

Desktop Wetland Review Map

Client/Project 203401769

Dominion Energy Virginia
Line #183 Partial Rebuild Project

Project Location Prepared by MGS on 2022-01-07
Fauquier and Prince William Counties, Virginia TR by ECL on 2022-02-11
IR by KAP on 2022-02-11



- Substation
- Existing Structure Location
- Project Limits
- Approximate PEM/PSS Wetland - High Probability
- Approximate PEM/PSS Wetland - Medium Probability
- Approximate PEM/PSS Wetland - Low Probability
- Approximate Stream
- Approximate Open Water
- 2-Foot Contour



Notes
1. Coordinate System: NAD 1983 StatePlane Virginia North FIPS 4501 Feet
2. Data Sources: Dominion Energy Virginia, Stantec, DCR, VGIN, USGS National Hydrography Dataset (NHD), Topography generated from digital elevation model derived from VGIN LiDAR
3. The limits of potential waters of the U.S., including wetlands have been identified using desktop analysis techniques and have not been confirmed or been field surveyed and are for planning purposes only.
4. Orthomagey © Bing Maps
5. Microsoft product screen shot(s) reprinted with permission from Microsoft Corporation

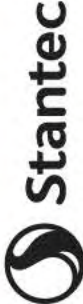


Figure No.

2

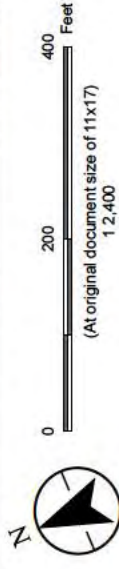
Title

Desktop Wetland Review Map

Client/Project 203401769

Dominion Energy Virginia
Line #183 Partial Rebuild Project

Project Location Prepared by MGS on 2022-01-07
Fauquier and Prince William Counties, Virginia TR by ECL on 2022-02-11
IR by KHP on 2022-02-11



- Substation
- Existing Structure Location
 - Project Limits
 - Approximate PEM/PSS Wetland - High Probability
 - Approximate PEM/PSS Wetland - Medium Probability
 - Approximate PEM/PSS Wetland - Low Probability
 - Approximate Stream
 - Approximate Open Water
 - 2-Foot Contour



Notes
1. Coordinate System: NAD 1983 StatePlane Virginia North FIPS 4501 Feet
2. Data Sources: Dominion Energy Virginia, Stantec, DCR, VGIN, USGS National Hydrography Dataset (NHD), Topography generated from digital elevation model derived from VGIN LIDAR
3. The limits of potential waters of the U.S., including wetlands have been identified using desktop analysis techniques and have not been confirmed or been field survey located and are for planning purposes only.
4. Orthomagey © Bing Maps
5. Microsoft product screen shot(s) reprinted with permission from Microsoft Corporation

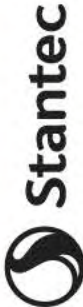


Figure No.

2

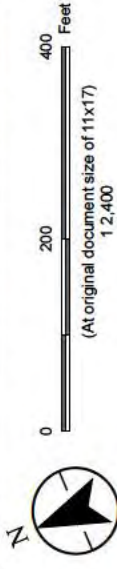
Title

Desktop Wetland Review Map

Client/Project 203401769

Dominion Energy Virginia
Line #183 Partial Rebuild Project

Project Location Prepared by MGS on 2022-01-07
Fauquier and Prince William Counties, Virginia TR by ECL on 2022-02-11
IR by KHP on 2022-02-11



- Substation
- Existing Structure Location
- Project Limits
- Approximate PEM/PSS Wetland - High Probability
- Approximate PEM/PSS Wetland - Medium Probability
- Approximate PEM/PSS Wetland - Low Probability
- Approximate Stream
- Approximate Open Water
- 2-Foot Contour



Notes
1. Coordinate System: NAD 1983 StatePlane Virginia North FIPS 4501 Feet
2. Data Sources: Dominion Energy Virginia, Stantec, DCR, VGIN, USGS National Hydrography Dataset (NHD), Topography generated from digital elevation model derived from VGIN LIDAR
3. The limits of potential waters of the U.S., including wetlands have been identified using desktop analysis techniques and have not been confirmed or been field surveyed and are for planning purposes only.
4. Orthomageary © Bing Maps
5. Microsoft product screen shot(s) reprinted with permission from Microsoft Corporation

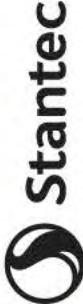


Figure No.

2

Title

Desktop Wetland Review Map

Client/Project 203401769

Dominion Energy Virginia
Line #183 Partial Rebuild Project

Project Location Prepared by MGS on 2022-01-07
Fauquier and Prince William Counties, Virginia TR by ECL on 2022-02-11
IR by KAP on 2022-02-11



- Substation
- Existing Structure Location
- Project Limits
- Approximate PEM/PSS Wetland - High Probability
- Approximate PEM/PSS Wetland - Medium Probability
- Approximate PEM/PSS Wetland - Low Probability
- Approximate Stream
- Approximate Open Water
- 2-Foot Contour



Notes
1. Coordinate System: NAD 1983 StatePlane Virginia North FIPS 4501 Feet
2. Data Sources: Dominion Energy Virginia, Stantec, DCR, VGIN, USGS National Hydrography Dataset (NHD), Topography generated from digital elevation model derived from VGIN LiDAR
3. The limits of potential waters of the U.S., including wetlands have been identified using desktop analysis techniques and have not been confirmed or been field surveyed and are for planning purposes only.
4. Orthomageary © Bing Maps
5. Microsoft product screen shot(s) reprinted with permission from Microsoft Corporation

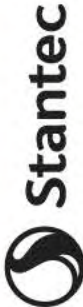


Figure No.

2

Title

Desktop Wetland Review Map

Client/Project	203401769
Dominion Energy Virginia	
Line #183 Partial Rebuild Project	
Project Location	Prepared by MGS on 2022-01-07 TR by ECL on 2022-02-11 IR by KHP on 2022-02-11
Fauquier and Prince William Counties, Virginia	

N

0 200 400

Feet

(At original document size of 11x17)

12,400

Substation

Existing Structure Location

Project Limits

Approximate PEM/PSS Wetland - High Probability

Approximate PEM/PSS Wetland - Medium Probability

Approximate PEM/PSS Wetland - Low Probability

Approximate Stream

Approximate Open Water

2-Foot Contour



Notes

1. Coordinate System: NAD 1983 StatePlane Virginia North FIPS 4501 Feet
2. Data Sources: Dominion Energy Virginia, Stantec, DCR, VGIN, USGS National Hydrography Dataset (NHD), Topography generated from digital elevation model derived from VGIN LIDAR
3. The limits of potential waters of the U.S., including wetlands have been identified using desktop analysis techniques and have not been confirmed or been field survey located and are for planning purposes only.
4. Orthomageary © Bing Maps
5. Microsoft product screen shot(s) reprinted with permission from Microsoft Corporation

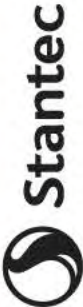


Figure No.

2

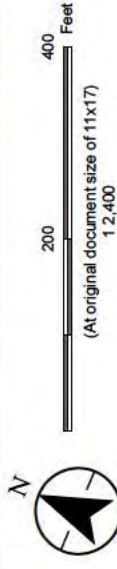
Title

Desktop Wetland Review Map

Client/Project 203401769

Dominion Energy Virginia
Line #183 Partial Rebuild Project

Project Location
Fauquier and Prince William Counties, Virginia
Prepared by MGS on 2022-01-07
TR by ECL on 2022-02-11
IR by KHP on 2022-02-11



- Substation
- Existing Structure Location
- Project Limits
- Approximate PEM/PSS Wetland - High Probability
- Approximate PEM/PSS Wetland - Medium Probability
- Approximate PEM/PSS Wetland - Low Probability
- Approximate Stream
- Approximate Open Water
- 2-Foot Contour



Notes
1. Coordinate System: NAD 1983 StatePlane Virginia North FIPS 4501 Feet
2. Data Sources: Dominion Energy Virginia, Stantec, DCR, VGIN, USGS National Hydrography Dataset (NHD), Topography generated from digital elevation model derived from VGIN LiDAR
3. The limits of potential waters of the U.S., including wetlands have been identified using desktop analysis techniques and have not been confirmed or been field surveyed and are for planning purposes only.
4. Orthomageary © Bing Maps
5. Microsoft product screen shot(s) reprinted with permission from Microsoft Corporation

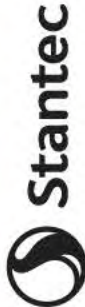


Figure No.

2

Title

Desktop Wetland Review Map

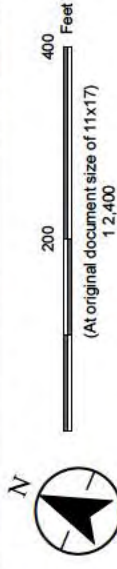
Client/Project 203401768

Dominion Energy Virginia
Line #183 Partial Rebuild Project

Project Location Prepared by MGS on 2022-01-07

Fauquier and Prince William Counties, Virginia TR by ECL on 2022-02-11

IR by KHP on 2022-02-11



- Substation
- Existing Structure Location
- Project Limits
- Approximate PEM/PSS Wetland - High Probability
- Approximate PEM/PSS Wetland - Medium Probability
- Approximate PEM/PSS Wetland - Low Probability
- Approximate Stream
- Approximate Open Water
- 2-Foot Contour



Notes
1. Coordinate System: NAD 1983 StatePlane Virginia North FIPS 4501 Feet
2. Data Sources: Dominion Energy Virginia, Stantec, DCR, VGIN, USGS National Hydrography Dataset (NHD), Topography generated from digital elevation model derived from VGIN LIDAR
3. The limits of potential waters of the U.S., including wetlands have been identified using desktop analysis techniques and have not been confirmed or been field survey located and are for planning purposes only.
4. Orthomageary © Bing Maps
5. Microsoft product screen shot(s) reprinted with permission from Microsoft Corporation



Figure No.

2

Title

Desktop Wetland Review Map

Client/Project 203401769

Dominion Energy Virginia
Line #183 Partial Rebuild Project

Project Location Prepared by MGS on 2022-01-07
Fauquier and Prince William Counties, Virginia TR by ECL on 2022-02-11
IR by KHP on 2022-02-11



- Substation
- Existing Structure Location
 - Project Limits
 - Approximate PEM/PSS Wetland - High Probability
 - Approximate PEM/PSS Wetland - Medium Probability
 - Approximate PEM/PSS Wetland - Low Probability
 - Approximate Stream
 - Approximate Open Water
 - 2-Foot Contour



Notes
1. Coordinate System: NAD 1983 StatePlane Virginia North FIPS 4501 Feet
2. Data Sources: Dominion Energy Virginia, Stantec, DCR, VGIN, USGS National Hydrography Dataset (NHD), Topography generated from digital elevation model derived from VGIN LiDAR
3. The limits of potential waters of the U.S., including wetlands have been identified using desktop analysis techniques and have not been confirmed or been field surveyed and are for planning purposes only.
4. Orthomage © Bing Maps
5. Microsoft product screen shot(s) reprinted with permission from Microsoft Corporation

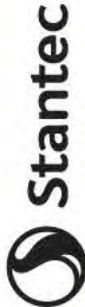


Figure No.
2

Title
Desktop Wetland Review Map

Client/Project
Dominion Energy Virginia
Line #183 Partial Rebuild Project

203401769

Project Location
Fauquier and Prince William Counties, Virginia

Prepared by MGS on 2022-01-07
TR by ECL on 2022-02-11
IR by KAP on 2022-02-11

N

0 200 400

Feet

(At original document size of 11x17)
12,400

Substation

Existing Structure Location

Project Limits

Approximate PEM/PSS Wetland - High Probability

Approximate PEM/PSS Wetland - Medium Probability

Approximate PEM/PSS Wetland - Low Probability

Approximate Stream

Approximate Open Water

2-Foot Contour



Notes
1. Coordinate System: NAD 1983 StatePlane Virginia North FIPS 4501 Feet
2. Data Sources: Dominion Energy Virginia, Stantec, DCR, VGIN, USGS National Hydrography Dataset (NHD), Topography generated from digital elevation model derived from VGIN LiDAR
3. The limits of potential waters of the U.S., including wetlands have been identified using desktop analysis techniques and have not been confirmed or been field surveyed and are for planning purposes only.
4. Orthomageary © Bing Maps
5. Microsoft product screen shot(s) reprinted with permission from Microsoft Corporation

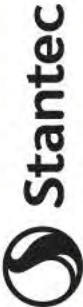


Figure No.

2

Title

Desktop Wetland Review Map

Client/Project 203401769

Dominion Energy Virginia
Line #183 Partial Rebuild Project

Project Location Prepared by MGS on 2022-01-07
Fauquier and Prince William Counties, Virginia TR by ECL on 2022-02-11
IR by KHP on 2022-02-11



- Substation
- Existing Structure Location
 - Project Limits
 - Approximate PEM/PSS Wetland - High Probability
 - Approximate PEM/PSS Wetland - Medium Probability
 - Approximate PEM/PSS Wetland - Low Probability
 - Approximate Stream
 - Approximate Open Water
 - 2-Foot Contour



Notes
1. Coordinate System: NAD 1983 StatePlane Virginia North FIPS 4501 Feet
2. Data Sources: Dominion Energy Virginia, Stantec, DCR, VGIN, USGS National Hydrography Dataset (NHD), Topography generated from digital elevation model derived from VGIN LIDAR
3. The limits of potential waters of the U.S., including wetlands have been identified using desktop analysis techniques and have not been confirmed or been field survey located and are for planning purposes only.
4. Orthomageary © Bing Maps
5. Microsoft product screen shot(s) reprinted with permission from Microsoft Corporation

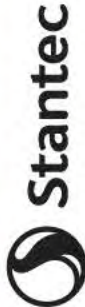


Figure No.

2

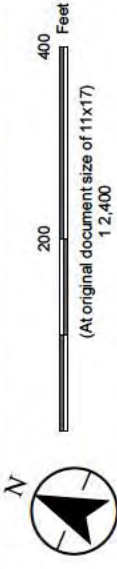
Title

Desktop Wetland Review Map

Client/Project 203401769

Dominion Energy Virginia
Line #183 Partial Rebuild Project

Project Location Prepared by MGS on 2022-01-07
Fauquier and Prince William Counties, Virginia TR by ECL on 2022-02-11
IR by KHP on 2022-02-11



- Substation
- Existing Structure Location
- Project Limits
- Approximate PEM/PSS Wetland - High Probability
- Approximate PEM/PSS Wetland - Medium Probability
- Approximate PEM/PSS Wetland - Low Probability
- Approximate Stream
- Approximate Open Water
- 2-Foot Contour



Notes
1. Coordinate System: NAD 1983 StatePlane Virginia North FIPS 4501 Feet
2. Data Sources: Dominion Energy Virginia, Stantec, DCR, VGIN, USGS National Hydrography Dataset (NHD), Topography generated from digital elevation model derived from VGIN LiDAR
3. The limits of potential waters of the U.S., including wetlands have been identified using desktop analysis techniques and have not been confirmed or been field survey located and are for planning purposes only.
4. Orthomageary © Bing Maps
5. Microsoft product screen shot(s) reprinted with permission from Microsoft Corporation

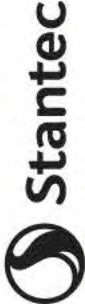


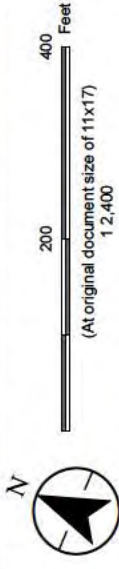
Figure No.

2

Title

Desktop Wetland Review Map

Client/Project	203401769
Dominion Energy Virginia	
Line #183 Partial Rebuild Project	
Project Location	Prepared by MGS on 2022-01-07 TR by ECL on 2022-02-11 IR by KAP on 2022-02-11
Fauquier and Prince William Counties, Virginia	



- Substation
- Existing Structure Location
- Project Limits
- Approximate PEM/PSS Wetland - High Probability
- Approximate PEM/PSS Wetland - Medium Probability
- Approximate PEM/PSS Wetland - Low Probability
- Approximate Stream
- Approximate Open Water
- 2-Foot Contour



Notes:
1. Coordinate System: NAD 1983 StatePlane Virginia North FIPS 4501 Feet
2. Data Sources: Dominion Energy Virginia, Stantec, DCR, VGIN, USGS National Hydrography Dataset (NHD), Topography generated from digital elevation model derived from VGIN LIDAR
3. The limits of potential waters of the U.S. including wetlands have been identified using desktop analysis techniques and have not been confirmed or been field survey located and are for planning purposes only.
4. Orthomageary © Bing Maps
5. Microsoft product screen shot(s) reprinted with permission from Microsoft Corporation

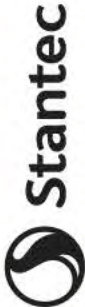


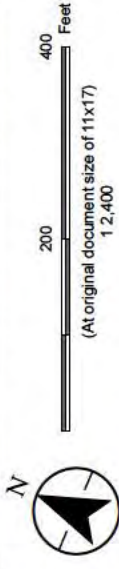
Figure No.

2

Title

Desktop Wetland Review Map

Client/Project	203401769
Dominion Energy Virginia Line #183 Partial Rebuild Project	
Project Location	Prepared by MGS on 2022-01-07 TR by ECL on 2022-02-11 IR by KAP on 2022-02-11 Fauquier and Prince William Counties, Virginia



- Substation
- Existing Structure Location
- Project Limits
- Approximate PEM/PSS Wetland - High Probability
- Approximate PEM/PSS Wetland - Medium Probability
- Approximate PEM/PSS Wetland - Low Probability
- Approximate Stream
- Approximate Open Water
- 2-Foot Contour



Notes:
1. Coordinate System: NAD 1983 StatePlane Virginia North FIPS 4501 Feet
2. Data Sources: Dominion Energy Virginia, Stantec, DCR, VGIN, USGS National Hydrography Dataset (NHD), Topography generated from digital elevation model derived from VGIN LiDAR
3. The limits of potential waters of the U.S., including wetlands have been identified using desktop analysis techniques and have not been confirmed or been field surveyed and are for planning purposes only.
4. Orthomage © Bing Maps
5. Microsoft product screen shot(s) reprinted with permission from Microsoft Corporation

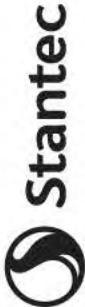


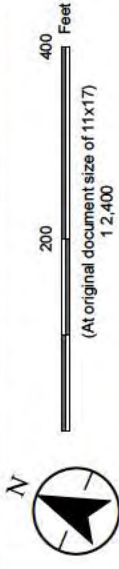
Figure No.

2

Title

Desktop Wetland Review Map

Client/Project	203401769
Dominion Energy Virginia Line #183 Partial Rebuild Project	
Project Location	Prepared by MGS on 2022-01-07 TR by ECL on 2022-02-11 IR by KHP on 2022-02-11 Fauquier and Prince William Counties, Virginia



- Substation
- Existing Structure Location
- Project Limits
- Approximate PEM/PSS Wetland - High Probability
- Approximate PEM/PSS Wetland - Medium Probability
- Approximate PEM/PSS Wetland - Low Probability
- Approximate Stream
- Approximate Open Water
- 2-Foot Contour



Notes
1. Coordinate System: NAD 1983 StatePlane Virginia North FIPS 4501 Feet
2. Data Sources: Dominion Energy Virginia, Stantec, DCR, VGIN, USGS National Hydrography Dataset (NHD), Topography generated from digital elevation model derived from VGIN LiDAR
3. The limits of potential waters of the U.S., including wetlands have been identified using desktop analysis techniques and have not been confirmed or been field surveyed and are for planning purposes only.
4. Orthomage © Bing Maps
5. Microsoft product screen shot(s) reprinted with permission from Microsoft Corporation

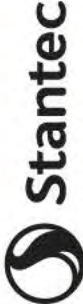


Figure No.

2

Title

Desktop Wetland Review Map

Client/Project 203401769

Dominion Energy Virginia
Line #183 Partial Rebuild Project

Project Location Prepared by MGS on 2022-01-07
Fauquier and Prince William Counties, Virginia TR by ECL on 2022-02-11
IR by KHP on 2022-02-11



- Substation
- Existing Structure Location
- Project Limits
- Approximate PEM/PSS Wetland - High Probability
- Approximate PEM/PSS Wetland - Medium Probability
- Approximate PEM/PSS Wetland - Low Probability
- Approximate Stream
- Approximate Open Water
- 2-Foot Contour



Notes
1. Coordinate System: NAD 1983 StatePlane Virginia North FIPS 4501 Feet
2. Data Sources: Dominion Energy Virginia, Stantec, DCR, VGIN, USGS National Hydrography Dataset (NHD), Topography generated from digital elevation model derived from VGIN LIDAR
3. The limits of potential waters of the U.S., including wetlands have been identified using desktop analysis techniques and have not been confirmed or been field survey located and are for planning purposes only.
4. Orthomagey © Bing Maps
5. Microsoft product screen shot(s) reprinted with permission from Microsoft Corporation



Figure No.

2

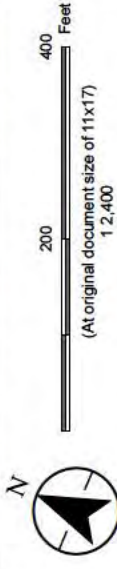
Title

Desktop Wetland Review Map

Client/Project 203401769

Dominion Energy Virginia
Line #183 Partial Rebuild Project

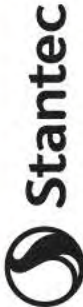
Project Location Prepared by MGS on 2022-01-07
Fauquier and Prince William Counties, Virginia TR by ECL on 2022-02-11
IR by KAP on 2022-02-11



- Substation
- Existing Structure Location
- Project Limits
- Approximate PEM/PSS Wetland - High Probability
- Approximate PEM/PSS Wetland - Medium Probability
- Approximate PEM/PSS Wetland - Low Probability
- Approximate Stream
- Approximate Open Water
- 2-Foot Contour



Notes
1. Coordinate System: NAD 1983 StatePlane Virginia North FIPS 4501 Feet
2. Data Sources: Dominion Energy Virginia, Stantec, DCR, VGIN, USGS National Hydrography Dataset (NHD), Topography generated from digital elevation model derived from VGIN LIDAR
3. The limits of potential waters of the U.S., including wetlands have been identified using desktop analysis techniques and have not been confirmed or been field surveyed and are for planning purposes only.
4. Orthomageary © Bing Maps
5. Microsoft product screen shot(s) reprinted with permission from Microsoft Corporation



Kingsman Rd

Korvett Dr

Kaywood Dr

Kuster St

Delaney Rd

Minnieville DP

Hoadly Run

183/131

183/132

183/133

Substation Wy

Lehigh Ct

Pearson Dr

Mipsal Ct

Langer Ln

Longhorn Dr

Match Line
Page 38 / 39

© 2022 Microsoft Corporation © 2022 Maxar © CNES (2022) Distribution Airbus DS



From: [Kopitsky, Brittany D CIV USARMY CENAO \(USA\)](#)
To: [James P Young \(Services - 6\)](#)
Cc: [Nancy R Reid \(Services - 6\)](#); [Jennifer Valaika](#)
Subject: [EXTERNAL] RE: Dominion Energy Virginia's Proposed Line #183 Partial Rebuild Project, Fauquier and Prince William Counties, Virginia
Date: Thursday, June 23, 2022 2:48:14 PM

CAUTION! This message was NOT SENT from DOMINION ENERGY

Are you expecting this message to your DE email? Suspicious? Use PhishAlarm to report the message. Open a browser and type in the name of the trusted website instead of clicking on links. DO NOT click links or open attachments until you verify with the sender using a known-good phone number. Never provide your DE password.

Hi James,

What exactly are you looking for from the Corps at this time?

In your application, be sure to include a delineation of all wetlands and waters of the U.S. and accurately depict and describe the proposed impacts. I would also recommend providing the IPaC report for the project area and an assessment for any species listed on the report, as well as providing historic properties information.

As always, we recommend avoiding and minimizing all impacts to WOTUS to the maximum extent practicable.

Thank you,
Brittany

--

Brittany D. Kopitsky, M.S.
Northern Virginia Regulatory Section
U.S. Army Corps of Engineers, Norfolk District
Phone: 757-201-7893

Please note that we are experiencing delayed review times due to increased workload. More information can be found at <https://www.nao.usace.army.mil/Media/Public-Notices/Article/2845067/cenao-wrr/>.

HELPFUL LINKS:

- Direct Link to Norfolk District Regulatory Website:
<https://www.nao.usace.army.mil/Missions/Regulatory/>
- Direct Link to Joint Permit Application:
<https://www.nao.usace.army.mil/Missions/Regulatory/JPA.aspx>
- Direct Link to Commonly Used Forms (i.e. Pre-Application Request Form, Pre-Application Jurisdictional Determination Checklist):
<https://www.nao.usace.army.mil/Missions/Regulatory/Commonly-Used-Forms/>

- 22-SPGP Update: <https://www.nao.usace.army.mil/Media/Public-Notices/Article/3060184/update-on-the-issuance-of-the-department-of-the-army-state-general-programmatic/>

From: james.p.young@dominionenergy.com <james.p.young@dominionenergy.com>

Sent: Wednesday, June 22, 2022 4:52 PM

To: CENAO-REG_ROD <CENAO.REG_ROD@usace.army.mil>

Cc: Nancy.R.Reid@dominionenergy.com; JValaika@mcguirewoods.com

Subject: [Non-DoD Source] Dominion Energy Virginia's Proposed Line #183 Partial Rebuild Project, Fauquier and Prince William Counties, Virginia

Importance: High

Regulator of the Day,

Please see the attached letter and project map notifying you that Dominion Energy Virginia (the "Company") is to partially rebuild the existing 115 kV Bristers-Ox Line #183 (the "Rebuild Project") within Fauquier and Prince William Counties, Virginia.

Please contact me with any questions or for additional information.

Thank you,

James P. Young, PWS

DEES ET Contractor

Dominion Energy

120 Tredegar Street, Richmond, VA 23219



CONFIDENTIALITY NOTICE: This electronic message contains information which may be legally confidential and or privileged and does not in any case represent a firm ENERGY COMMODITY bid or offer relating thereto which binds the sender without an additional express written confirmation to that effect. The information is intended solely for the individual or entity named above and access by anyone else is unauthorized. If you are not the intended recipient, any disclosure, copying, distribution, or use of the contents of this information is prohibited and may be unlawful. If you have received this electronic transmission in error, please reply immediately to the sender that you have received the message in error, and delete it. Thank you.



Memo

To:	Mr. James Young Dominion Energy Environmental Services 120 Tredegar Street Richmond, VA 23219	From:	Mitch Dannon Stantec Consulting Services, Inc. 5209 Center Street Williamsburg, VA 23188
File:	203401769	Date:	June 28, 2022

Reference: Line #183 Partial Rebuild Project, Prince William and Fauquier Counties, Virginia: Solid & Hazardous Waste Search

Stantec conducted database searches for solid and hazardous wastes and petroleum release sites within a 0.5-mile radius of the proposed Line #183 Partial Rebuild Project. The project will take place within the existing, cleared and maintained transmission line right-of-way (ROW) and will involve the rebuild of approximately 15.2 miles of the Dominion Energy's existing 23.6-mile 115 kV Bristers-Ox Line #183 between Structure #183/12 and #183/134 in Fauquier and Prince William Counties, Virginia. The project will take place within the existing cleared and maintained transmission line right-of-way (ROW) with a minimal amount of expanded ROW required. The project will be rebuilt to 230 kV standards.

Stantec obtained publicly available data from the Environmental Protection Agency (EPA) Facility Registry System (FRS), which provides information about facilities, sites, or places subject to environmental regulation or of environmental interest. Although this data set includes all sites subject to environmental regulation by the EPA or other state authority, such as sites that fall under air emissions or wastewater programs, the results reported here only include those sites which fall under the EPA's hazardous waste, solid waste, remediation, and underground storage tank programs. These sites include Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA)/Superfund; Resource Conservation and Recovery Act (RCRA); and brownfield sites. Per this database, there are 6 registered RCRA sites present within a 0.5-mile radius of the project (Table 1). Two of these sites are inactive, and none of the sites are documented within the project ROW. The nearest site is the Prince William City Department of Public Works, located 1,135 feet from the project ROW.

The Virginia Department of Environmental Quality (DEQ) records were also searched for the presence of solid waste management facilities, Voluntary Remediation Program sites, and petroleum releases within 0.5 mile of the proposed project. Two solid waste permit sites were identified in the database search: Permit Numbers 900000000324 and 900000000239 (Table 2). These solid waste permit sites are located outside of the ROW, 1,000 and 1,560 linear feet from the project area, respectively. Additionally, the systems associated with the permit are either closed or inactive. A total of 33 petroleum release sites were identified within the search radius, with the closest site (PC Number 19993247) located approximately 75 linear feet from the project area. This release was reported at a waste management facility in 1999 and the case was closed within a month. A review of the aerial imagery reveals the ROW appears to cross areas of the waste management facility. The NOVEC – Independent Hill Substation petroleum release site (PC Number 20003221) is located 75 linear feet from the project area; however, this site was closed in 2003 and appears to be offsite at the adjacent substation. No other petroleum release sites identified within 0.5 mile of the proposed project intersect with the project ROW and none of the sites remain open. Dominion Energy has a procedure in place to handle petroleum contaminated soil, if encountered; however, as all the release sites are closed or located outside of the project area, none of the petroleum release sites are expected to have an impact on the proposed project.

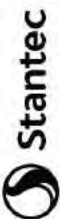
June 28, 2022

Mr. James Young

Page 2 of 9

Reference: Line #183 Partial Rebuild Project, Prince William and Fauquier Counties, Virginia: Solid & Hazardous Waste Search

In summary, a total of 33 petroleum release sites, two solid waste permit sites, and 6 RCRA sites are located within a 0.5-mile radius of the project area. Two petroleum release sites are documented as being located within the project ROW; however, both sites have been closed and are not expected to have an impact on the proposed project. No EPA registered brownfield sites, or CERCLA/Superfund sites are located within 0.5 mile of the project area.



Memo

Table 1. RCRA sites identified by the EPA as occurring within 0.5-mile of the Line #183 Partial Rebuild Project

Site Name	Permit Number	Interest Type	Location	Latitude	Longitude	Status	Generator Type	Proximity to Centerline (feet)
Prince William County School Division	VAD988171005	RCRA	Manassas City	38.62878	-77.43694	Active	Unspecified Universe	1,910
Prince William County Sanitary Landfill	VAD988199881	RCRA	Prince William County	38.634597	-77.428519	Active	Unspecified Universe	3,170
ABC Disposal Service Inc	VA0000022111	RCRA	Prince William County	38.63226	-77.421543	Inactive	Unspecified Universe	1,300
Prince William City Dept. of Public Works	VAR000509968	RCRA	Manassas City	38.632134	-77.421359	Active	Unspecified Universe	1,135
Classic Auto Body Inc	VAD981106644	RCRA	Prince William County	38.649598	-77.350775	Inactive	Unspecified Universe	1,190
Sun Drycleaning	VAD981042963	RCRA	Prince William County	38.648056	-77.345278	Active	Unspecified Universe	2,620

June 28, 2022

Mr. James Young

Page 4 of 9

Reference: Line #183 Partial Rebuild Project, Prince William and Fauquier Counties, Virginia: Solid & Hazardous Waste Search

Table 2. Solid waste sites identified by the DEQ as occurring within 0.5-mile of the Line #183 Partial Rebuild Project

Site Name	Permit Number	Interest Type	Location	Latitude	Longitude	Status	Proximity to Centerline (feet)
O'meara Debris	900000000324	Solid Waste Permit	Prince William County	38.631	-77.408	Closed	1,000
Hylton Enterprises	900000000239	Solid Waste Permit	Prince William County	38.650	-77.348	Closed	1,560

Table 3. Petroleum releases identified by the DEQ as occurring within 0.5 mile of the Line #183 Partial Rebuild Project

Site Name	PC Number	Location	Latitude	Longitude	Status	Type of Release	Federally Registered Tank?	Proximity to Centerline (feet)
Nadeau Loretta M Property	20103274	Fauquier County	38.587	-77.580	Closed	Confirmed	N	2,350
Quantico MCB Camp Upshur Water Treatment Facility	19930713	Prince William County	38.623	-77.529	Closed	Confirmed	N	1,700
Quantico MCB – Camp Upshur	19901762	Prince William County	38.626	-77.528	Closed	Confirmed	N	2,290

June 28, 2022

Mr. James Young

Page 5 of 9

Reference: Line #183 Partial Rebuild Project, Prince William and Fauquier Counties, Virginia: Solid & Hazardous Waste Search

Site Name	PC Number	Location	Latitude	Longitude	Status	Type of Release	Federally Registered Tank?	Proximity to Centerline (feet)
Quantico MCB Camp Upshur	19780270	Prince William County	38.627	-77.527	Closed	Confirmed	N	2,500
MCB Quantico Camp Upsher Site 103	20173461	Prince William County	38.629	-77.524	Closed	Confirmed	N	2,510
Cromer Irene Residence	20143062	Prince William County	38.644	-77.492	Closed	Confirmed	N	1,850
Hurt James Residence	20073104	Prince William County	38.642	-77.489	Closed	Confirmed	N	1,530
Montague Frank E and Margarita Residence	20183195	Prince William County	38.641	-77.477	Closed	Confirmed	N	2,120
Kiel Marta Residence	20033208	Prince William County	38.641	-77.475	Closed	Confirmed	N	2,100
Bentson David A and Katharina R Residence	20113193	Prince William County	38.635	-77.469	Closed	Confirmed	N	650
NOVEC – Independent Hill Substation	20003221	Prince William County	38.632	-77.461	Closed	Confirmed	N	75

June 28, 2022

Mr. James Young

Page 6 of 9

Reference: Line #183 Partial Rebuild Project, Prince William and Fauquier Counties, Virginia: Solid & Hazardous Waste Search

Site Name	PC Number	Location	Latitude	Longitude	Status	Type of Release	Federally Registered Tank?	Proximity to Centerline (feet)
Thompson Roy Residence	20053184	Prince William County	38.635	-77.447	Closed	Confirmed	N	2,540
Independent Hill Complex	19963043	Prince William County	38.628	-77.438	Closed	Confirmed	Y	1,500
DWM & USArmy	19860462	Prince William County	38.629	-77.438	Closed	Confirmed	N	1,690
Independent Hill Complex	19993012	Prince William County	38.629	-77.438	Closed	Confirmed	N	1,700
Independent Hill Complex	20063142	Prince William County	38.630	-77.437	Closed	Confirmed	Y	1,930
Air Force Communication Center	19911097	Prince William County	38.148661	-79.071188	Closed	Confirmed	N	2,590
Kelly Jennifer Property – former Auto Salvage Yard	20083147	Prince William County	38.633	-77.425	Closed	Confirmed	N	1,610
Prince William County Landfill	19954034	Prince William County	38.635	-77.427	Closed	Suspected	N	2,550

June 28, 2022

Mr. James Young

Page 7 of 9

Reference: Line #183 Partial Rebuild Project, Prince William and Fauquier Counties, Virginia: Solid & Hazardous Waste Search

Site Name	PC Number	Location	Latitude	Longitude	Status	Type of Release	Federally Registered Tank?	Proximity to Centerline (feet)
Prince William County Landfill – Ops Building	200003346	Prince William County	38.635	-77.427	Closed	Confirmed	Y	2,550
PWC Landfill Office Building	20013001	Prince William County	38.635	-77.427	Closed	Confirmed	Y	2,550
Prince William County Landfill	19922392	Prince William County	38.635	-77.427	Closed	Confirmed	Y	2,550
Waste Management	19993247	Prince William County	38.632	-77.416	Closed	Confirmed	Y	75
Community Baptist Church	20083218	Prince William County	38.626	-77.410	Closed	Confirmed	N	2,270
Klarin Bonnie Residence	20053263	Prince William County	38.632	-77.390	Closed	Confirmed	N	2,610
Dias-King Brenda L Residence	20173037	Prince William County	38.654	-77.362	Closed	Confirmed	N	1,580
Mench Melancthon W Property	20103011	Prince William County	38.654	-77.362	Closed	Confirmed	N	1,690

June 28, 2022

Mr. James Young

Page 8 of 9

Reference: Line #183 Partial Rebuild Project, Prince William and Fauquier Counties, Virginia: Solid & Hazardous Waste Search

Site Name	PC Number	Location	Latitude	Longitude	Status	Type of Release	Federally Registered Tank?	Proximity to Centerline (feet)
Parsons Kenneth F Property	20063110	Prince William County	38.654	-77.361	Closed	Confirmed	N	1,840
Kokoski Betty Residence	20153147	Prince William County	38.655	-77.361	Closed	Confirmed	N	2,140
Chestnut Lowell W Thelma B Property	20153227	Prince William County	38.656	-77.362	Closed	Confirmed	N	2,310
Ayala Santos C and Rosa Residence	20193082	Prince William County	38.656	-77.362	Closed	Confirmed	N	2,490
Bradner Loris Residence	20063116	Prince William County	38.656	-77.362	Closed	Confirmed	N	2,560
Minnieville Elementary School	19954052	Prince William County	38.653	-77.345	Closed	Confirmed	Y	2,100



Memo

If you have any questions regarding the details presented in this report, please feel free to contact me at your convenience.

Stantec Consulting Services Inc.

Mitch Dannon

Ecologist

Phone: 757-220-6869

Fax: 757-229-4507

Mitch.dannon@stantec.com



Memo

To:	Mr. James Young Dominion Energy Environmental Services 120 Tredegar Street Richmond, VA 23219	From:	Mitch Dannon Ecologist Stantec Consulting Services Inc. 5209 Center Street Williamsburg, VA
Project:	203401769	Date:	June 28, 2022

**Reference: Line #183 Partial Rebuild Project, Prince William and Fauquier Counties, Virginia:
Threatened and Endangered Species Review**

Online database searches for federal and state threatened and endangered species were completed by Stantec for the Line #183 Partial Rebuild Project. The project will take place within the existing, cleared and maintained transmission line right-of-way (ROW) and will involve the rebuild of approximately 15.2 miles of the Dominion Energy's existing 23.6-mile 115 kV Bristers-Ox Line #183 between Structure #183/12 and #183/134 in Fauquier and Prince William Counties, Virginia. As such, the Project will require approval from the State Corporation Commission (SCC). Stantec conducted a search of the below-mentioned databases to assist the SCC application process and identify potential project constraints related to threatened and endangered species. The online database searches included the following.

- U.S. Fish and Wildlife Service (USFWS) Information, Planning, and Conservation (IPaC)
- USFWS Critical Habitat for Threatened and Endangered Species Mapper
- USFWS Bald Eagle Concentration Areas Map
- The Virginia Department of Wildlife Resources (DWR) Virginia Fish and Wildlife Service Information Service (VAFWIS) Database
- Virginia DWR Northern Long-eared Bat (NLEB) Winter Habitat and Roost Trees Application
- Virginia DWR Little Brown Bat (MYLU) and Tri-colored Bat (PESU) Winter Habitat and Roosts Application
- Virginia Department of Conservation and Recreation (DCR) Natural Heritage Data Explorer (NHDE)
- Center for Conservation and Biology (CCB) Bald Eagle Nest Locator for Virginia

Results

Species with confirmed or potential presence within the project vicinity have been identified by database searches and are provided below in Table 1.

Reference: Line #183 Partial Rebuild Project: Threatened and Endangered Species Review

Table 1. Database Search Results

Species	Status	Database	Results
Indiana bat (<i>Myotis sodalis</i>)	FE, SE	USFW-IPaC	Identified as potentially occurring within or near the project. No known hibernacula or maternity roost trees within the vicinity of the project. Limited removal of danger trees may be necessary during the project. Standard time-of-year restriction on tree removal is June 1 – July 31 for the “pup season”.
Northern long-eared bat (<i>Myotis septentrionalis</i>)	FT, ST	USFW-IPaC, DWR -NLEB Winter Habitat and Roost Tree Map	Identified as potentially occurring within or near the project area. No known hibernacula or maternity roost trees occur within the vicinity of the project. Work will take place within existing, cleared and maintained transmission line ROW. Limited removal of danger trees may be necessary during the project. Stantec recommends that tree removal take place outside of the time-of-year restriction for tree clearing (June 1 – July 31) in adherence with the 4 (d) Rule to avoid the potential for adverse effects.
Dwarf wedgemussel (<i>Alasmodonta heterodon</i>)	FE, SE	USFWS-IPaC	Identified as potentially occurring within or near the project area. This species typically inhabits freshwater streams with slow to moderate current and little silt deposition. The mussel occurs on stream bottom substrate including muddy sand, sand, and gravel bottoms. No in-stream work will be required for the project and erosion and sediment controls will be utilized to prevent runoff. Therefore, no adverse effects to the dwarf wedgemussel are anticipated.
Monarch butterfly (<i>Danaus plexippus</i>)	FC	USFWS-IPaC	Identified as potentially occurring within or near the project area. This species is a nectivorous insect preferring a variety of habitats including rangelands, meadows, riparian areas, farms, and open forests. No agency coordination for federal candidate species is required, therefore no further action is required for this species.

Reference: Line #183 Partial Rebuild Project: Threatened and Endangered Species Review

Species	Status	Database	Results
Small whorled pogonia (<i>Isotria medeoloides</i>)	FT, SE	DCR-NHDE	Identified as potentially occurring near the project. This small orchid grows in moist areas in older hardwoods stands of beech and hickory with a generally open understory. All line construction work will take place within an existing, cleared and maintained transmission line ROW. Therefore, no adverse effects to the small whorled pogonia are anticipated.
Virginia piedmont water boatman (<i>Sigara depressa</i>)	SE	DCR-NHDE	Identified as potentially occurring near the project area. The Virginia piedmont water boatman is an aquatic insect species endemic to a few counties in Virginia. No in-stream work is proposed and erosion and sediment control measures will be used to prevent runoff. Therefore, no adverse effects to the Virginia piedmont water boatman are anticipated.
Bald eagle (<i>Haliaeetus leucocephalus</i>)	Bald and Golden Eagle Protection Act (BGEPA)	CCB	No bald eagle nests are located within 660 feet of the Project area. The bald eagle prefers open bodies of water surrounded by tall trees but can also be found in forested areas away from waterbodies.
Critical Habitat for Threatened and Endangered Species	Critical Habitat	USFWS – Critical Habitat for Threatened and Endangered Species Mapper	No critical habitat present.

FT: federally threatened, FE: federally endangered, FC: federal candidate species, ST: state threatened, SE: state endangered

Conclusion

Potential effects to individual species are provided in Table 1 above and are based upon the proposed scope of work, as described by Dominion Energy. This scope of work assumes all transmission line construction work will take place within existing cleared and maintained transmission line ROW. Therefore, adverse effects to forest dwelling species, such as bats and small whorled pogonia, are not anticipated. Construction access will avoid stream crossings where practical or use crane mats to span stream crossings with no in-stream work required. Erosion and sediment controls will be used as appropriate throughout the project to protect wetlands and water resources. Therefore, adverse effects to aquatic species, such as freshwater mussels and Virginia piedmont water boatman, are not expected.

January 7, 2022
Mr. James Young
Page 4 of 4

Reference: Line #183 Partial Rebuild Project: Threatened and Endangered Species Review

In summary, adverse effects to threatened and endangered species are not anticipated. The complete results from the database searches are provided for your reference (See Attachments) for use in agency coordination. If you have any questions, please contact me at your earliest convenience.

Stantec Consulting Services Inc.

Mitch Dannon
Ecologist
Phone: 757-220-6869
Fax: 757-229-4507
mitch.dannon@stantec.com

Attachment: Appendix A: Database Search Results

APPENDIX A DATABASE SEARCH RESULTS



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: 2022-0058728
Project Name: Line 183 Partial Rebuild Project

June 28, 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.

06/28/2022

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: 2022-0058728
Event Code: None
Project Name: Line 183 Partial Rebuild Project
Project Type: Transmission Line - Maintenance/Modification - Above Ground
Project Description: Partial Rebuild of transmission Line 183 from Structure 183/12 to 183/134.

Project Location:

Approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/@38.6196815,-77.52521798654371,14z>



Counties: Fauquier and Prince William counties, Virginia

Endangered Species Act Species

There is a total of 5 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
Indiana Bat <i>Myotis sodalis</i> There is final critical habitat for this species. The location of the critical habitat is not available. Species profile: https://ecos.fws.gov/ecp/species/5949	Endangered
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

Clams

NAME	STATUS
Dwarf Wedgemussel <i>Alasmodonta heterodon</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/784	Endangered

Insects

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

Flowering Plants

NAME	STATUS
Small Whorled Pogonia <i>Isotria medeoloides</i> Population: No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/1890	Threatened

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.

06/28/2022

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. https://ecos.fws.gov/ecp/species/1626	Breeds Sep 1 to Jul 31
Eastern Whip-poor-will <i>Antrostomus vociferus</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.	Breeds May 1 to Aug 20

06/28/2022

NAME	BREEDING SEASON
Kentucky Warbler <i>Oporornis formosus</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.	Breeds Apr 20 to Aug 20
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
Prothonotary Warbler <i>Protonotaria citrea</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.	Breeds Apr 1 to Jul 31
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
Rusty Blackbird <i>Euphagus carolinus</i> This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA	Breeds elsewhere
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.

06/28/2022

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 (I)

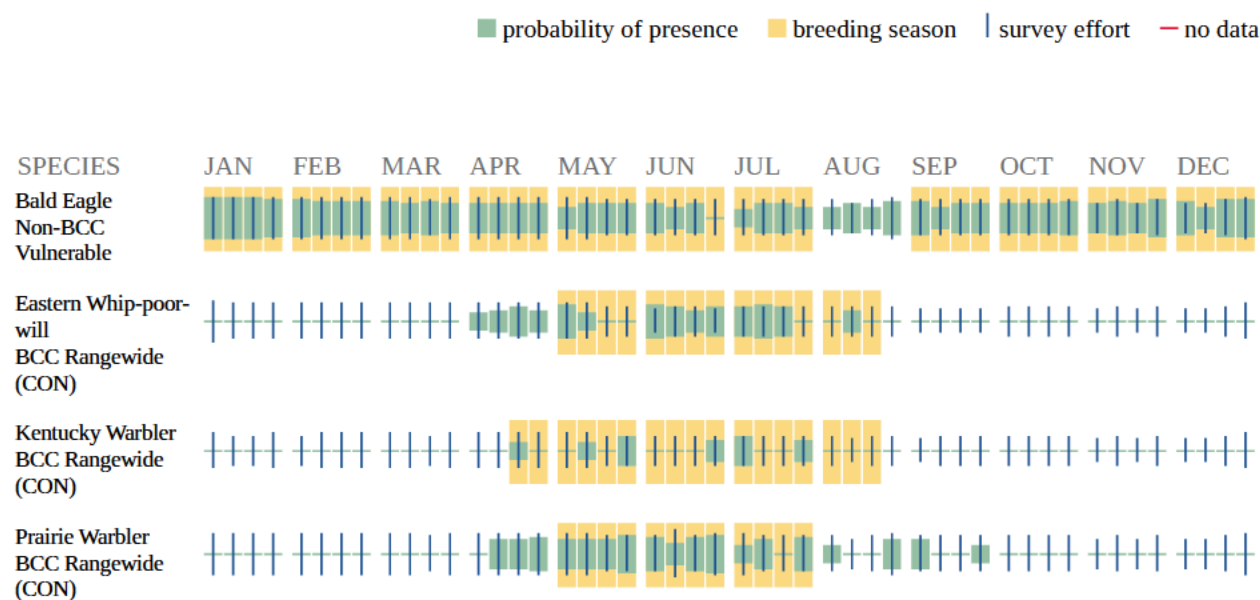
Vertical black lines superimposed on probability of presence bars indicate the number of surveys performed for that species in the 10km grid cell(s) your project area overlaps. The number of surveys is expressed as a range, for example, 33 to 64 surveys.

No Data (—)

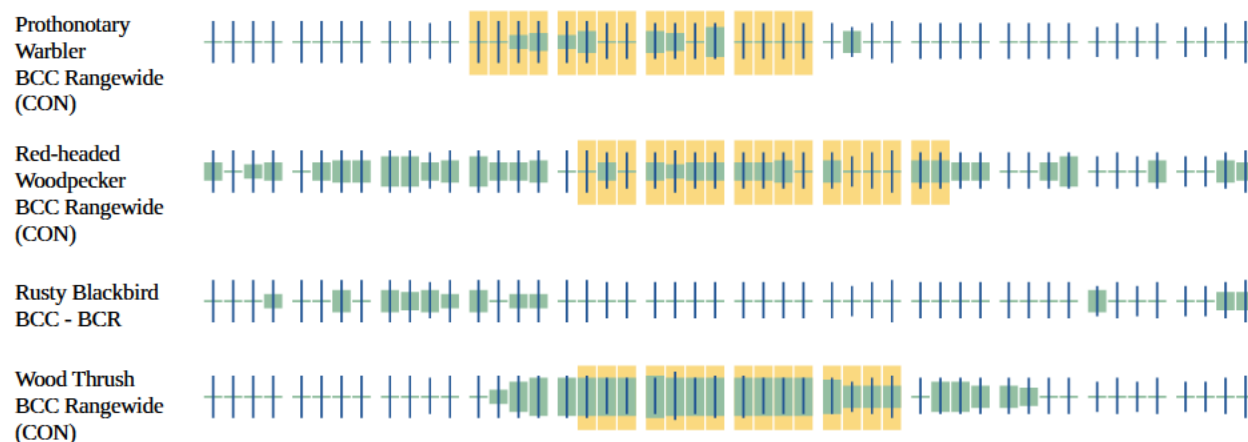
A week is marked as having no data if there were no survey events for that week.

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.



06/28/2022



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-incidental-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 migratory birds potentially occurring 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 [AKN Phenology 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, migrating or present year-round in my project 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 refer to the following resources: [The Cornell Lab of Ornithology All About Birds Bird Guide](#), or (if you are unsuccessful in locating the bird of interest there), the [Cornell Lab of Ornithology Neotropical Birds guide](#). 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

06/28/2022

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

Agency: Stantec

Name: Becky Wilk

Address: 5209 Center Street

City: Williamsburg

State: VA

Zip: 23188

Email: becky.wilk@stantec.com

Phone: 2522296045

VaFWIS Initial Project Assessment Report Compiled on 6/28/2022,[Help](#)

10:38:23 AM

Known or likely to occur within a **2 mile buffer around polygon; center 38.5863200 -77.5937699**
in 061 Fauquier County, 153 Prince William County, VA

[View Map of
Site Location](#)

599 Known or Likely Species ordered by Status Concern for Conservation
 (displaying first 28) (28 species with Status* or Tier I** or Tier II**)

BOVA Code	Status*	Tier**	Common Name	Scientific Name	Confirmed	Database(s)
060003	FESE	Ia	Wedgemussel, dwarf	Alasmidonta heterodon		BOVA
101005	FE	Ia	Bee, rusty patched bumble	Bombus affinis		BOVA
010032	FESE	Ib	Sturgeon, Atlantic	Acipenser oxyrinchus		BOVA
050022	FTST	Ia	Bat, northern long-eared	Myotis septentrionalis		BOVA
060029	FTST	IIa	Lance, yellow	Elliptio lanceolata		BOVA
050020	SE	Ia	Bat, little brown	Myotis lucifugus		BOVA
050027	SE	Ia	Bat, tri-colored	Perimyotis subflavus		BOVA
060006	SE	Ib	Floater, brook	Alasmidonta varicosa		BOVA,Habitat
030062	ST	Ia	Turtle, wood	Glyptemys insculpta		Habitat
040096	ST	Ia	Falcon, peregrine	Falco peregrinus		BOVA
040293	ST	Ia	Shrike, loggerhead	Lanius ludovicianus		BOVA
040379	ST	Ia	Sparrow, Henslow's	Centronyx henslowii		BOVA
060081	ST	IIa	Floater, green	Lasmigona subviridis		BOVA
040292	ST		Shrike, migrant loggerhead	Lanius ludovicianus migrans		BOVA
030063	CC	IIIa	Turtle, spotted	Clemmys guttata	Yes	BOVA,SppObs
030012	CC	IVa	Rattlesnake, timber	Crotalus horridus	Yes	BOVA,SppObs
010077		Ia	Shiner, bridle	Notropis bifrenatus		BOVA
040092		Ia	Eagle, golden	Aquila chrysaetos		BOVA
040306		Ia	Warbler, golden-winged	Vermivora chrysoptera		BOVA
100248		Ia	Fritillary, regal	Speyeria idalia idalia		BOVA
040213		Ic	Owl, northern saw-whet	Aegolius acadicus		BOVA
040052		IIa	Duck, American black	Anas rubripes		BOVA
040036		IIa	Night-heron, yellow- crowned	Nyctanassa violacea violacea		BOVA
040181		IIa	Tern, common	Sterna hirundo		BOVA
040320		IIa	Warbler, cerulean	Setophaga cerulea		BOVA
040140		IIa	Woodcock, American	Scolopax minor		BOVA
040203		IIB	Cuckoo, black-billed	Coccyzus		BOVA

				erythroptalmus		
040105		IIb	Rail, king.	Rallus elegans		BOVA

To view **All 599 species** [View 599](#)

*FE=Federal Endangered; FT=Federal Threatened; SE=State Endangered; ST=State Threatened; FP=Federal Proposed;
FC=Federal Candidate; CC=Collection Concern

**I=VA Wildlife Action Plan - Tier I - Critical Conservation Need; II=VA Wildlife Action Plan - Tier II - Very High Conservation Need;
III=VA Wildlife Action Plan - Tier III - High Conservation Need;
IV=VA Wildlife Action Plan - Tier IV - Moderate Conservation Need
Virginia Wildlife Action Plan Conservation Opportunity Ranking:
a - On the ground management strategies/actions exist and can be feasibly implemented.;
b - On the ground actions or research needs have been identified but cannot feasibly be implemented at this time.;
c - No on the ground actions or research needs have been identified or all identified conservation opportunities have been exhausted.

Bat Colonies or Hibernacula: **Not Known**

Anadromous Fish Use Streams

N/A

Colonial Water Bird Survey

N/A

Threatened and Endangered Waters

N/A

Managed Trout Streams

N/A

Bald Eagle Concentration Areas and Roosts

N/A

Bald Eagle Nests

N/A

Habitat Predicted for Aquatic WAP Tier I & II Species (4 Reaches)

[View Map Combined Reaches from Below of Habitat Predicted for WAP Tier I & II Aquatic Species](#)

Stream Name	Tier Species	View
-------------	--------------	------

	Highest TE [*]	BOVA Code, Status [*] , Tier ^{**} , Common & Scientific Name					Map
Cedar Run (20700102)	SE	060006	SE	Ib	Floater, brook	Alasmidonta varicosa	Yes
Goslin Run (20700102)	SE	060006	SE	Ib	Floater, brook	Alasmidonta varicosa	Yes
Neabsco Creek (20700102)	ST	030062	ST	Ia	Turtle, wood	Glyptemys insculpta	Yes
tributary (20700102)	ST	030062	ST	Ia	Turtle, wood	Glyptemys insculpta	Yes
tributary (20700102)	ST	030062	ST	Ia	Turtle, wood	Glyptemys insculpta	Yes

Habitat Predicted for Terrestrial WAP Tier I & II Species

N/A

Public Holdings: (3 names)

Name	Agency	Level
Prince William Forest National Park	National Park Service	Federal
Prince William Forest Park	U.S. Dept. of Interior	Federal
Quantico MCCDC - Guadalcanal side	U.S. Dept. of Navy	Federal

Compiled on 6/28/2022, 10:38:23 AM 11192174.0 report=IPA searchType= P dist= 3218 poi= 38.5863200 -77.5937699 siteDD= 38.5863260 -77.5937715;38.5903840 -77.5773965;38.5910610 -77.5775515;38.5911450 -77.5776965;38.5913990 -77.5775485;38.5912520 -77.5772295;38.5904860 -77.5770135;38.5933110 -77.5655685;38.5935460 -77.5653615;38.6397480 -77.4956435;38.6314410 -77.4595295;38.6241730 -77.4380575;38.6534130 -77.3485085;38.6528550 -77.3482625;38.6236780 -77.4380105;38.6236060 -77.4384445;38.6307940 -77.4596805;38.6389720 -77.4953355;38.5930620 -77.5646675;38.5929090 -77.5658735;38.5901990 -77.5769455;38.5900970 -77.5769165;38.5859610 -77.5936025

PixelSize=64; Anadromous=0.022558; BECAR=0.022199; Bats=0.019421; Buffer=0.565805; County=0.055945; Impediments=0.021343; Init=0.611192; PublicLands=0.031889; SppObs=0.372782; TEWaters=0.025308; TierReaches=0.043488; TierTerrestrial=0.050771; Total=1.565181; Tracking_BOVA=0.25916; Trout=0.024529

Site Location

38,35,10.7 -77,35,37.5
is the Search Point

Show Position Rings

☒ Yes ☐ No
4 miles and 1 mile at the Search Point

Show Search Area

☒ Yes ☐ No
2 Search distance miles
buffer

Display Search Point is not
at center at map center

Base Map Choices

Topography ▼

Map Overlay Choices

Current List: Position, Search,
BECAR, BAEANests,
TEWaters, TierII, Habitat,
Trout, Anadromous

Map Overlay Legend

T & E Waters

Federal

State

Predicted Habitat WAP Tier I & II

Aquatic

Terrestrial

Trout Waters

Class I - IV

Class V - VI

Anadromous Fish Reach

Confirmed

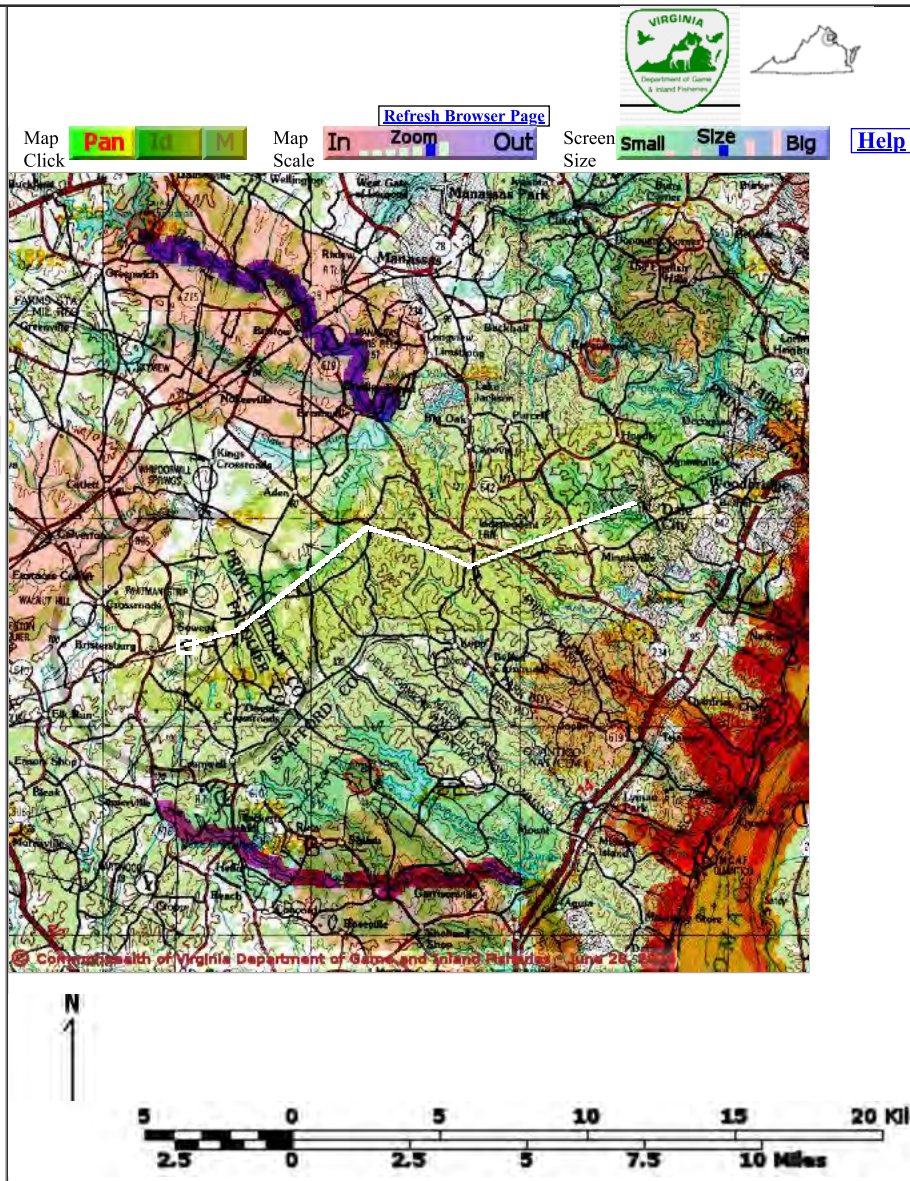
Potential

Impediment

Position Rings
4 miles and 1
mile at the
Search Point

2 mile radius
Search Area

Bald Eagle Concentration Areas and Roosts



Point of Search 38,35,10.7 -77,35,37.5

Map Location 38,37,11.1 -77,28,15.8

Select Coordinate System: ☒ Degrees,Minutes,Seconds Latitude - Longitude

☐ Decimal Degrees Latitude - Longitude

☐ Meters UTM NAD83 East North Zone

☐ Meters UTM NAD27 East North Zone

Base Map source: USGS 1:250,000 topographic maps (see Microsoft.terraserer-usa.com for details)

Map projection is UTM Zone 18 NAD 1983 with left 265673 and top 4296678. Pixel size is 45. .
Coordinates displayed are Degrees, Minutes, Seconds North and West. Map is currently displayed
as 600 columns by 600 rows for a total of 360000 pixels. The map display represents 38400 meters
east to west by 38400 meters north to south for a total of 1474.5 square kilometers. The map
display represents 126005 feet east to west by 126005 feet north to south for a total of 569.5 square
miles.

Topographic maps and Black and white aerial photography for year 1990+-
are from the United States Department of the Interior, United States Geological Survey.
Color aerial photography aquired 2002 is from Virginia Base Mapping Program, Virginia
Geographic Information Network.

Shaded topographic maps are from TOPO! ©2006 National Geographic
<http://www.national.geographic.com/topo>

All other map products are from the Commonwealth of Virginia Department of Game and Inland
Fisheries.

map assembled 2022-06-28 10:35:57 (qa/qc March 21, 2016 12:20 - tn=1192174.0 dist=3218

1)

\$poi=38.5863200 -77.5937699

Natural Heritage Resources

Your Criteria

Watershed (8 digit HUC): 02070010 - Middle Potomac-Anacostia-Occoquan

Subwatershed (12 digit HUC): PL39 - Town Run

Search Run: 6/28/2022 10:49:00 AM

Result Summary

Total Species returned: 0

Total Communities returned: 2

Click scientific names below to go to NatureServe report.

Click column headings for an explanation of species and community ranks.

Common Name/Natural Community	Scientific Name	Scientific Name Linked	Global Conservation Status Rank	State Conservation Status Rank	Federal Legal Status	State Legal Status	Statewide Occurrences	Virginia Coastal Zone
Middle Potomac-Anacostia-Occoquan								
Town Run								
AQUATIC NATURAL COMMUNITY								
NP-Middle Potomac-Anacostia-Occoquan	NP-Middle Potomac-Anacostia-Occoquan	NP-Middle Potomac-Anacostia-Occoquan	G3G4	S3S4	None	None	13	N
First Order Stream	First Order Stream	First Order Stream						
NP-Middle Potomac-Anacostia-Occoquan	NP-Middle Potomac-Anacostia-Occoquan	NP-Middle Potomac-Anacostia-Occoquan	G3	S3	None	None	7	N
Third Order Stream	Third Order Stream	Third Order Stream						

Note: On-line queries provide basic information from DCR's databases at the time of the request. They are NOT to be substituted for a project review or for on-site surveys required for environmental assessments of specific project areas.

For Additional Information on locations of Natural Heritage Resources please submit an [information request](#).

To Contribute information on locations of natural heritage resources, please fill out and submit a [rare species sighting form](#).

Natural Heritage Resources

Your Criteria

Watershed (8 digit HUC): 02070010 - Middle Potomac-Anacostia-Occoquan

Subwatershed (12 digit HUC): PL40 - Cedar Run-Slate Run

Search Run: 6/28/2022 10:46:02 AM

Result Summary

Total Species returned: 6

Total Communities returned: 4

Click scientific names below to go to NatureServe report.

Click column headings for an explanation of species and community ranks.

Common Name/Natural Community	Scientific Name	Scientific Name Linked	Global Conservation Status Rank	State Conservation Status Rank	Federal Legal Status	State Legal Status	Statewide Occurrences	Virginia Coastal Zone
-------------------------------	-----------------	------------------------	---------------------------------	--------------------------------	----------------------	--------------------	-----------------------	-----------------------

Middle Potomac-Anacostia-Occoquan

Cedar Run-Slate Run								
AQUATIC NATURAL COMMUNITY								
NP-Middle Potomac-Anacostia-Occoquan	NP-Middle Potomac-Anacostia-Occoquan	NP-Middle Potomac-Anacostia-Occoquan	G3G4	S3S4	None	None	13	Y
First Order Stream	First Order Stream	First Order Stream						
NP-Middle Potomac-Anacostia-Occoquan	NP-Middle Potomac-Anacostia-Occoquan	NP-Middle Potomac-Anacostia-Occoquan	G3	S3	None	None	7	Y
Third Order Stream	Third Order Stream	Third Order Stream						
ODONATA (DRAGONFLIES & DAMSELFLIES)								
Sphagnum Sprite	Nehalennia gracilis	Nehalennia gracilis	G5	S2	None	None	7	Y
TERRESTRIAL NATURAL COMMUNITY								
Coastal Plain / Outer Piedmont Seepage Bog	Ahnus serrulata - Magnolia virginiana / Andropogon glomeratus - Eupatorium pilosum - Rhynchospora gracilenta - Xyris torta Shrub Herbaceous Vegetation	Ahnus serrulata - Magnolia virginiana / Andropogon glomeratus - Eupatorium pilosum - Rhynchospora gracilenta - Xyris torta Shrub Herbaceous Vegetation	G1	S1	None	None	11	N

Common Name/Natural Community	Scientific Name	Scientific Name Linked	Global Conservation Status Rank	State Conservation Status Rank	Federal Legal Status	State Legal Status	Statewide Occurrences	Virginia Coastal Zone
Acidic Oak-Hickory Woodland / Savanna	Quercus alba - Quercus falcata - Carya tomentosa / Schizachyrium scoparium - Lespedeza procumbens Woodland	Quercus alba - Quercus falcata - Carya tomentosa / Schizachyrium scoparium - Lespedeza procumbens Woodland	G1?	S1	None	None	3	N
VASCULAR PLANTS								
Purple Milkweed	Asclepias purpurascens	Asclepias purpurascens	G5?	S2	None	None	28	Y
Red Milkweed	Asclepias rubra	Asclepias rubra	G4G5	S2	None	None	30	Y
Brown Bog Sedge	Carex buxbaumii	Carex buxbaumii	G5	S2	None	None	24	Y
Small Whorled Pogonia	Isotria medeoloides	Isotria medeoloides	G2G3	S2	LT	LE	65	Y
Stiff Goldenrod	Solidago rigida var. rigida	Solidago rigida var. rigida	G5T5	S2	None	None	21	Y

Note: On-line queries provide basic information from DCR's databases at the time of the request. They are NOT to be substituted for a project review or for on-site surveys required for environmental assessments of specific project areas.

For Additional Information on locations of Natural Heritage Resources please submit an [information request](#).

To Contribute information on locations of natural heritage resources, please fill out and submit a [rare species sighting form](#).

Natural Heritage Resources

Your Criteria

Watershed (8 digit HUC): 02070010 - Middle Potomac-Anacostia-Occoquan

Subwatershed (12 digit HUC): PL49 - Neabsco Creek

Search Run: 6/28/2022 10:46:51 AM

Result Summary

Total Species returned: 2

Total Communities returned: 1

Click scientific names below to go to NatureServe report.

Click column headings for an explanation of species and community ranks.

Common Name/Natural Community	Scientific Name	Scientific Name Linked	Global Conservation Status Rank	State Conservation Status Rank	Federal Legal Status	State Legal Status	Statewide Occurrences	Virginia Coastal Zone
Middle Potomac-Anacostia-Occoquan								
Neabsco Creek								
AQUATIC NATURAL COMMUNITY								
NP-Middle Potomac-Anacostia-Occoquan	NP-Middle Potomac-Anacostia-Occoquan	NP-Middle Potomac-Anacostia-Occoquan	G3G4	S3S4	None	None	13	Y
First Order Stream	First Order Stream	First Order Stream						
VASCULAR PLANTS								
Purple Milkweed	Asclepias purpurascens	Asclepias purpurascens	G5?	S2	None	None	28	Y
Marsh pea	Lathyrus palustris	Lathyrus palustris	G5	S1	None	None	9	Y

Note: On-line queries provide basic information from DCR's databases at the time of the request. They are NOT to be substituted for a project review or for on-site surveys required for environmental assessments of specific project areas.

For Additional Information on locations of Natural Heritage Resources please submit an [information request](#).

To Contribute information on locations of natural heritage resources, please fill out and submit a [rare species sighting form](#).

Natural Heritage Resources

Your Criteria

Watershed (8 digit HUC): 02070011 - Lower Potomac River
Subwatershed (12 digit HUC): PL51 - Powells Creek
Search Run: 6/28/2022 10:43:35 AM
Result Summary

Total Species returned: 3
Total Communities returned: 2

Click scientific names below to go to NatureServe report.
Click column headings for an explanation of species and community ranks.

Common Name/Natural Community	Scientific Name	Scientific Name Linked	Global Conservation Status Rank	State Conservation Status Rank	Federal Legal Status	State Legal Status	Statewide Occurrences	Virginia Coastal Zone
Lower Potomac								
Powells Creek								
AQUATIC NATURAL COMMUNITY								
NP-Lower Potomac	NP-Lower Potomac	NP-Lower Potomac	G2G3	S2S3	None	None	4	Y
Second Order	Second Order	Second Order						
Stream	Stream	Stream						
LEPIDOPTERA (BUTTERFLIES & MOTHS)								
Lemmer's Pinion	Lithophane lemmeri	Lithophane lemmeri	G3G4	S1S3	None	None	1	Y
Moth								
TERRESTRIAL NATURAL COMMUNITY								
Tidal Freshwater	Impatiens capensis -	Impatiens capensis -	G3	S3	None	None	3	Y
Marsh (Mixed High	Persicaria arifolia -	Persicaria arifolia -						
Marsh Type)	Peltandra virginica -	Peltandra virginica -						
	(Typha angustifolia)	(Typha angustifolia)						
	Tidal Herbaceous	Tidal Herbaceous						
	Vegetation	Vegetation						
VASCULAR PLANTS								
Small Whorled	Isotria medeoloides	Isotria medeoloides	G2G3	S2	LT	LE	65	Y
Pogonia								
One-sided shinleaf	Orthilia secunda	Orthilia secunda	G5	SH	None	None	3	Y

Natural Heritage Resources

Your Criteria

Watershed (8 digit HUC): 02070011 - Lower Potomac River

Subwatershed (12 digit HUC): PL52 - Quantico Creek

Search Run: 6/28/2022 10:47:46 AM

Result Summary

Total Species returned: 10

Total Communities returned: 5

Click scientific names below to go to NatureServe report.

Click column headings for an explanation of species and community ranks.

Common Name/Natural Community	Scientific Name	Scientific Name Linked	Global Conservation Status Rank	State Conservation Status Rank	Federal Legal Status	State Legal Status	Statewide Occurrences	Virginia Coastal Zone
Lower Potomac								
Quantico Creek								
AQUATIC NATURAL COMMUNITY								
NP-Lower Potomac	NP-Lower Potomac	NP-Lower Potomac	G2G3	S2S3	None	None	1	Y
First Order Stream	First Order Stream	First Order Stream						
NP-Lower Potomac	NP-Lower Potomac	NP-Lower Potomac	G2G3	S2S3	None	None	4	Y
Second Order Stream	Second Order Stream	Second Order Stream						
HETEROPTERA (TRUE BUGS)								
Virginia Piedmont Water Boatman	Sigara depressa	Sigara depressa	G1G2	S1S2	SOC	LE	4	Y
LEPIDOPTERA (BUTTERFLIES & MOTHS)								
Frosted Elfin	Callophrys irus	Callophrys irus	G2G3	S1S2	SOC	None	25	Y
Lemmer's Pinion Moth	Lithophane lemmeri	Lithophane lemmeri	G3G4	S1S3	None	None	1	Y
ODONATA (DRAGONFLIES & DAMSELFLIES)								
Common Spreadingwing	Lestes disjunctus	Lestes disjunctus	G5	S2	None	None	6	Y
Sedge Sprite	Nehalennia irene	Nehalennia irene	G5	S1S2	None	None	2	Y
TERRESTRIAL NATURAL COMMUNITY								
Coastal Plain / Outer Piedmont Acidic	Acer rubrum - Nyssa sylvatica - Magnolia	Acer rubrum - Nyssa sylvatica - Magnolia	G3?	S3	None	None	39	Y

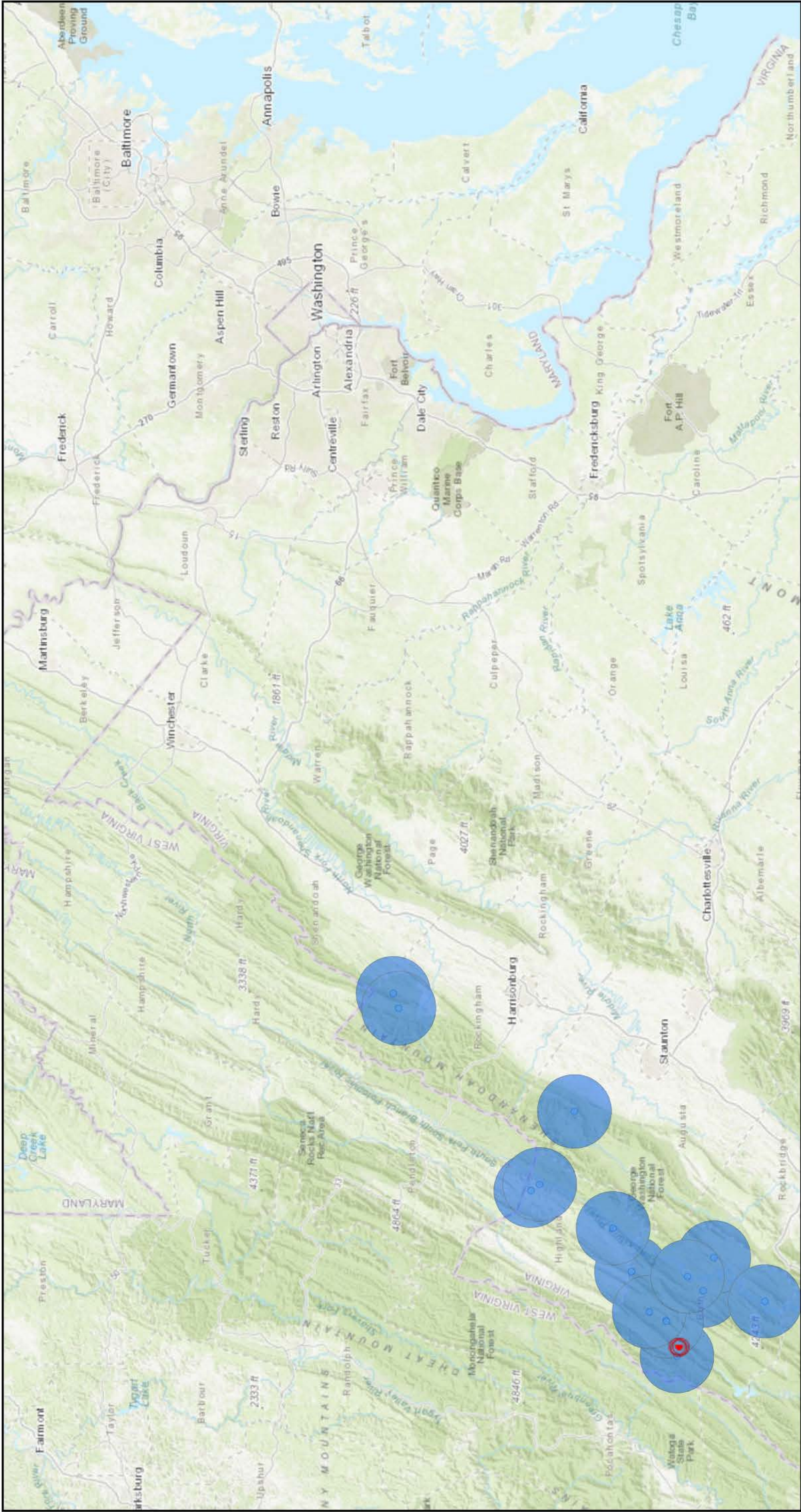
Common Name/Natural Community	Scientific Name	Scientific Name Linked	Global Conservation Status Rank	State Conservation Status Rank	Federal Legal Status	State Legal Status	Statewide Occurrences	Virginia Coastal Zone
Seepage Swamp	virginiana / V burnum nudum / Osmundastrum cinnamomeum - Lorinseria areolata Forest	virginiana / V burnum nudum / Osmundastrum cinnamomeum - Lorinseria areolata Forest						
Northern Piedmont	Quercus palustris -	Quercus palustris -	G3	S1	None	None	3	Y
Acidic Upland	Acer rubrum -	Acer rubrum -						
Depression Swamp	Liquidambar styraciflua / Vaccinium (fuscatum, formosum) Forest	Liquidambar styraciflua / Vaccinium (fuscatum, formosum) Forest						
Piedmont / Coastal	Tsuga canadensis -	Tsuga canadensis -	G2G3	S1	None	None	19	Y
Plain Hemlock -	Fagus grandifolia -	Fagus grandifolia -						
Hardwood Forest	Quercus (montana, alba) Forest	Quercus (montana, alba) Forest						
VASCULAR PLANTS								
Velvet sedge	Carex vestita	Carex vestita	G5	S2	None	None	12	Y
Small Whorled Pogonia	Isotria medeoloides	Isotria medeoloides	G2G3	S2	LT	LE	65	Y
One-sided shinleaf	Orthilia secunda	Orthilia secunda	G5	SH	None	None	3	Y
Dwarf Chinquapin	Quercus prinoides	Quercus prinoides	G5	S1	None	None	25	Y
Oak								
Hard-stem bulrush	Schoenoplectus acutus var. acutus	Schoenoplectus acutus var. acutus	G5T5	S1	None	None	3	Y

Note: On-line queries provide basic information from DCR's databases at the time of the request. They are NOT to be substituted for a project review or for on-site surveys required for environmental assessments of specific project areas.

For Additional Information on locations of Natural Heritage Resources please submit an [information request](#).

To Contribute information on locations of natural heritage resources, please fill out and submit a [rare species sighting form](#).

NLEB Locations and Roost Trees Map



12/30/2021, 2:49:27 PM

1:1,155,581

0 10 20 40 mi

0 15 30 60 km

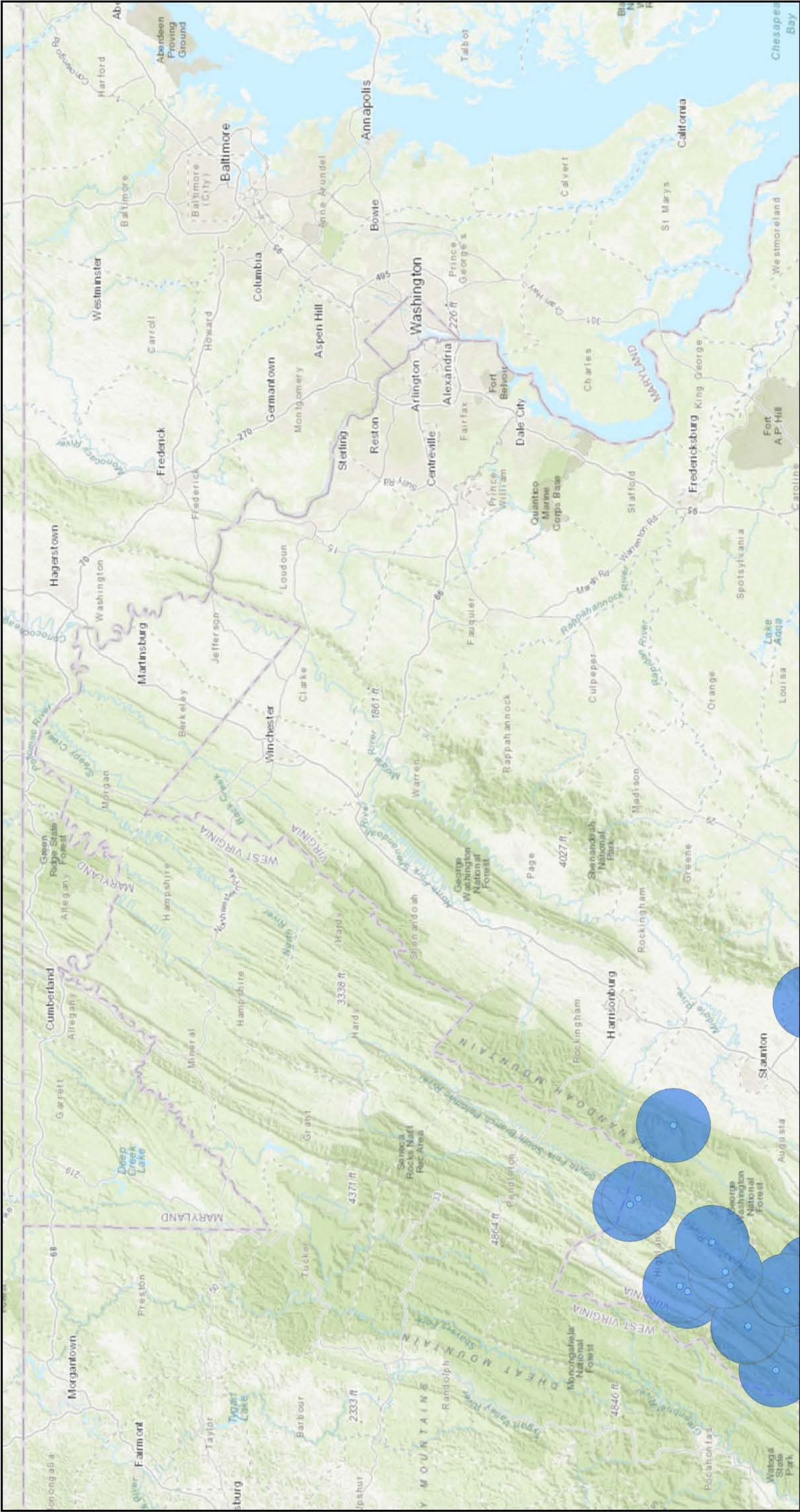
NLEB Known Occupied Maternity Roost (Summer Habitat)

NLEB Hibernaculum 5.5 Mile Buffer

NLEB Hibernaculum Half Mile Buffer

Esri, HERE, Garmin, FAO, USGS, NGA, EPA, NPS

MYLU & PESU Winter Habitat and Roost Trees Map

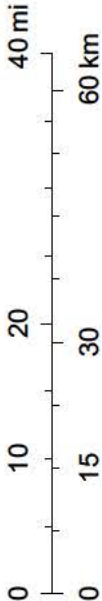


12/30/2021, 2:45:40 PM

Tri-colored and Little Brown Hibernaculum Half Mile Buffer

Tri-colored and Little Brown Hibernaculum 5.5 Mile Buffer

1:1,155,581



Esri, HERE, Garmin, FAO, USGS, NGA, EPA, NPS



The CENTER for
CONSERVATION
BIOLOGY

About Us

What We Do

Resources

News Room

Give to CCB

CCB MAPPING PORTAL

Help / FAQ

Search

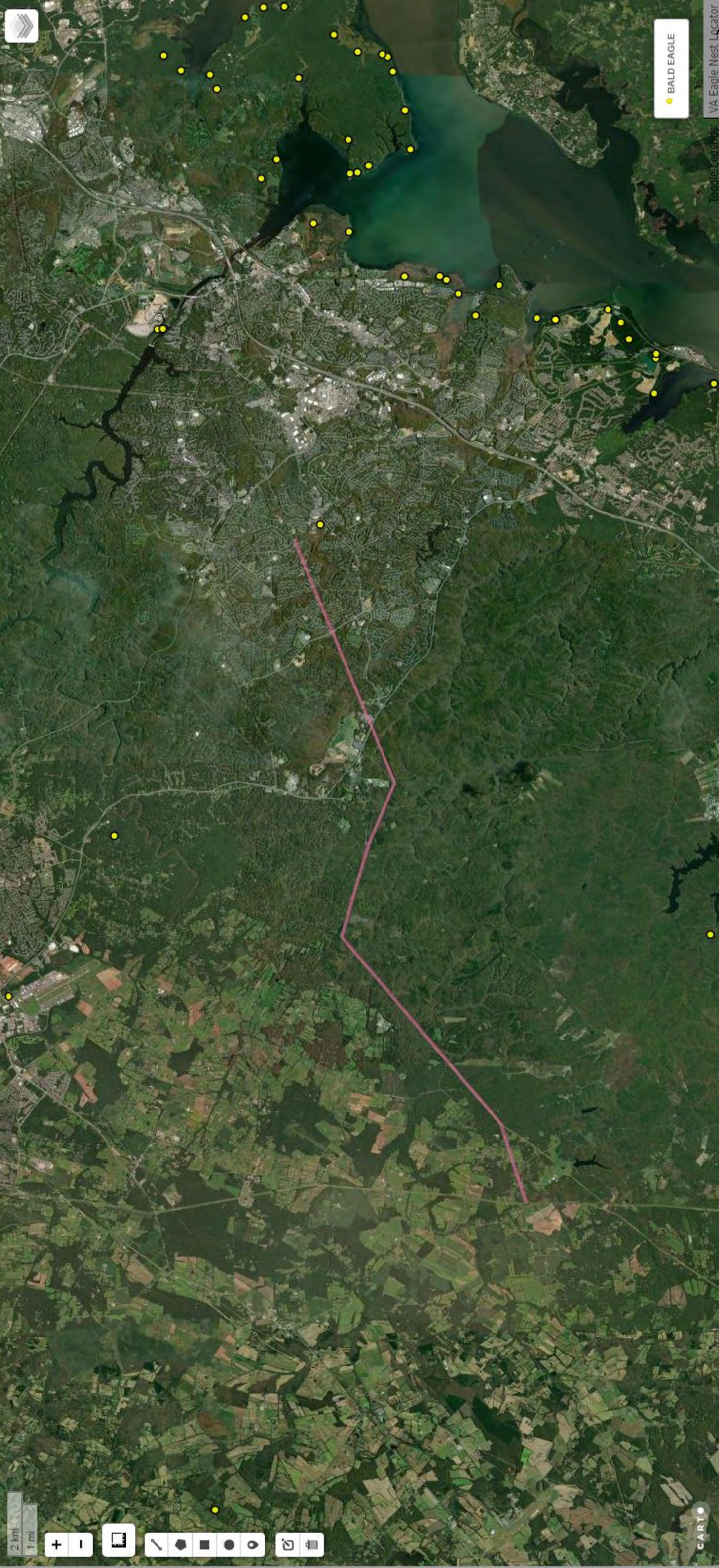
Print Report

Generate Link

Toggle Draw Tools



Leaflet | CartoDB attribution, Tiles © Esri — Source: Esri, i-cubed, USDA, USGS, AEX, GeoEye, Getmapping, Aerogrid, IGN, IGP, UPR-EGP, and the GIS User Community



● BALD EAGLE

VA Eagle Nest Locator

Toggle Legend

Frank N. Stovall
*Deputy Director
for Operations*

Darryl Glover
*Deputy Director for
Dam Safety,
Floodplain Management and
Soil and Water Conservation*

Laura Ellis
*Interim Deputy Director for
Administration and Finance*



COMMONWEALTH of VIRGINIA
DEPARTMENT OF CONSERVATION AND RECREATION

February 4, 2022

Mitch Dannon
Stantec Consulting Services, Inc.
5209 Center Street
Williamsburg, VA 23188

Re: 203401769, Line 183 Rebuild to Resolve EOL and 2021 OW Violations

Dear Mr. Dannon:

The Department of Conservation and Recreation's Division of Natural Heritage (DCR) has searched its Biotics Data System for occurrences of natural heritage resources from the area outlined on the submitted map. Natural heritage resources are defined as the habitat of rare, threatened, or endangered plant and animal species, unique or exemplary natural communities, and significant geologic formations.

Somerville Quadrangle, Occoquan Quadrangle

According to the information currently in Biotics, natural heritage resources have not been documented within the submitted project boundary including a 100-foot buffer. Please note, a predictive model identifying potential habitat for natural heritage resources intersects the project boundary. However, based on DCR biologist's review of the proposed project a survey is not recommended for the resource.

Nokesville Quadrangle

Biotics documents the presence of natural heritage resources within the project boundary including a 100ft buffer. However, due to the scope of the activity we do not anticipate that this project will adversely impact these natural heritage resources. Please note, a predictive model identifying potential habitat for natural heritage resources intersects the project boundary. However, based on DCR biologist's review of the proposed project a survey is not recommended for the resource.

Independent Hill Quadrangle

According to the information currently in our files, the Powells Creek Stream Conservation Unit is located within the project site (Figure 1). Stream Conservation Units (SCUs) identify stream reaches that contain aquatic natural heritage resources, including 2 miles upstream and 1 mile downstream of documented occurrences, and all tributaries within this reach. SCUs are also given a biodiversity significance ranking based on the rarity, quality, and number of element occurrences they contain. The Powells Creek SCU has been given a biodiversity ranking of B3, which represents a site of high significance. The natural heritage resource associated with this site is:

Aquatic Natural Community (NP-Lower Potomac Second Order Stream) G2G3/S2S3/NL/NL

The documented Aquatic Natural Community is based on Virginia Commonwealth University's **INSTAR** (*Interactive Stream Assessment Resource*) database which includes over 2,000 aquatic (stream and river)

600 East Main Street, 24th Floor | Richmond, Virginia 23219 | 804-786-6124

*State Parks • Soil and Water Conservation • Outdoor Recreation Planning
Natural Heritage • Dam Safety and Floodplain Management • Land Conservation*

collections statewide for fish and macroinvertebrate. These data represent fish and macroinvertebrate assemblages, instream habitat, and stream health assessments. The associated Aquatic Natural Community is significant on multiple levels. First, this stream is a grade B, as per the VCU-Center for Environmental Sciences (CES), indicating its relative regional significance, considering its aquatic community composition and the present-day conditions of other streams in the region. This stream reach also holds as a "Healthy" stream designation as per the INSTAR Virtual Stream Assessment (VSS) score. This score assesses the similarity of this stream to ideal stream conditions of biology and habitat for this region. Lastly, this stream contributes to high Biological Integrity at the watershed level (6th order) based on number of native/non-native, pollution-tolerant/intolerant and rare, threatened or endangered fish and macroinvertebrate species present.

Threats to the significant Aquatic Natural Community and the surrounding watershed include water quality degradation related to point and non-point pollution, water withdrawal and introduction of non-native species. To minimize adverse impacts to the aquatic ecosystem as a result of the proposed activities, DCR recommends the implementation of and strict adherence to applicable state and local erosion and sediment control/storm water management laws and regulations, establishment/enhancement of riparian buffers with native plant species and maintaining natural stream flow.

DCR recommends the development and implementation of an invasive species plan to be included as part of the maintenance practices for the right-of-way (ROW). The invasive species plan should include an invasive species inventory for the project area based on the current DCR Invasive Species List (<http://www.dcr.virginia.gov/natural-heritage/document/nh-invasive-plant-list-2014.pdf>) and methods for treating the invasives. DCR also recommends the ROW restoration and maintenance practices planned include appropriate revegetation using native species in a mix of grasses and forbs, robust monitoring and an adaptive management plan to provide guidance if initial revegetation efforts are unsuccessful or if invasive species outbreaks occur.

Under a Memorandum of Agreement established between the Virginia Department of Agriculture and Consumer Services (VDACS) and the DCR, DCR represents VDACS in comments regarding potential impacts on state-listed threatened and endangered plant and insect species. The current activity will not affect any documented state-listed plants or insects.

There are no State Natural Area Preserves under DCR's jurisdiction in the project vicinity.

New and updated information is continually added to Biotics. Please re-submit a completed order form and project map for an update on this natural heritage information if the scope of the project changes and/or six months has passed before it is utilized.

A fee of \$520.00 has been assessed for the service of providing this information. Please find attached an invoice for that amount. Please return one copy of the invoice along with your remittance made payable to the Treasurer of Virginia, DCR Finance, 600 East Main Street, 24th Floor, Richmond, VA 23219. Payment is due within thirty days of the invoice date. Please note late payment may result in the suspension of project review service for future projects.

The Virginia Department of Wildlife Resources (VDWR) maintains a database of wildlife locations, including threatened and endangered species, trout streams, and anadromous fish waters that may contain information not documented in this letter. Their database may be accessed from <http://vafwis.org/fwis/> or contact Amy Martin at (804-367-2211) or amy.martin@dwr.virginia.gov.

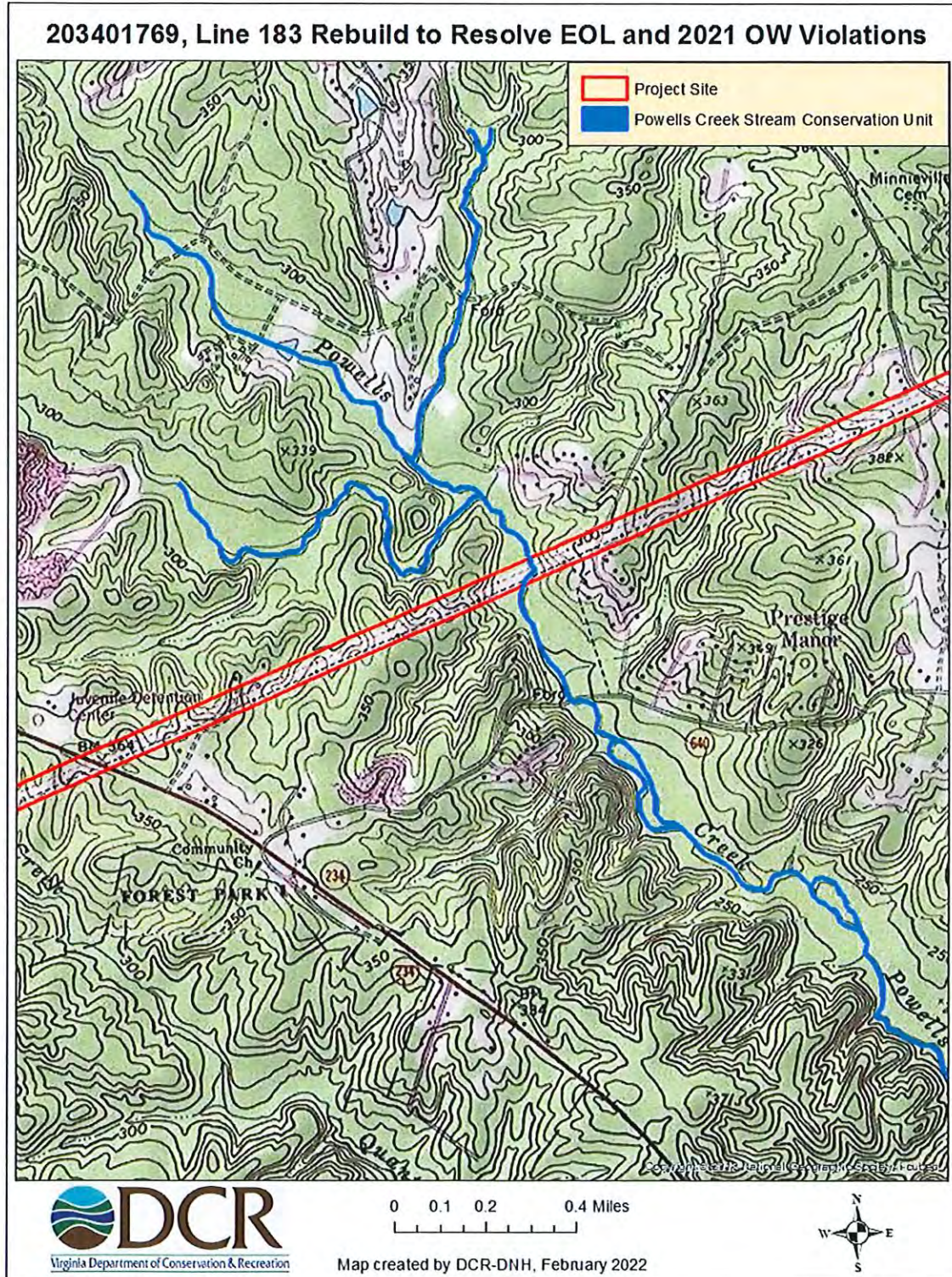
Should you have any questions or concerns, please contact me at 804-225-2429. Thank you for the opportunity to comment on this project.

Sincerely,

A handwritten signature in cursive script that reads "Tyler Meader". The ink is dark and the signature is fluid.

Tyler Meader
Natural Heritage Locality Liaison

Figure 1.



From: [Martin, Amy](#)
To: [James P Young \(Services - 6\)](#)
Cc: [rr_nhreview](#)
Subject: [EXTERNAL] ESSLog# 42255_ Proposed Line #183 Partial Rebuild Project_Scoping_DWR_AEM20220729
Date: Thursday, July 28, 2022 4:19:45 PM

CAUTION! This message was NOT SENT from DOMINION ENERGY

Are you expecting this message to your DE email? Suspicious? Use PhishAlarm to report the message. Open a browser and type in the name of the trusted website instead of clicking on links. DO NOT click links or open attachments until you verify with the sender using a known-good phone number. Never provide your DE password.

James,

We have reviewed the subject project that proposes to rebuild a transmission line in Fauquier and Prince William Counties. We do not currently document any listed wildlife or designated resources under our jurisdiction from the project area. Therefore, we do not anticipate adverse impacts upon such species or resources to result from the proposed work.

To minimize the adverse impacts of linear utility/road project development on wildlife resources, we offer the following general recommendations: avoid and minimize impacts to undisturbed forest, wetlands, and streams to the fullest extent practicable; maintain naturally vegetated buffers of at least 100 feet in width around wetlands and on both sides of perennial and intermittent streams, where practicable; conduct significant tree removal and ground clearing activities outside of the primary songbird nesting season of March 15 through August 15; and, implement and maintain appropriate erosion and sediment controls throughout project construction and site restoration. To minimize potential wildlife entanglements resulting from use of synthetic/plastic erosion and sediment control matting, we recommend use of matting made from natural/organic materials such as coir fiber, jute, and/or burlap. We understand that adherence to these general recommendations may be infeasible in some situations. We are happy to work with the applicant to develop project-specific measures as necessary to minimize project impacts upon the Commonwealth's wildlife resources.

In the case of any instream work, we recommend conducting any in-stream activities during low or no-flow conditions, using non-erodible cofferdams or turbidity curtains to isolate the construction area, blocking no more than 50% of the streamflow at any given time (minimal overlap of construction footprint notwithstanding), stockpiling excavated material in a manner that prevents reentry into the stream, restoring original streambed and streambank contours, revegetating barren areas with native vegetation, and implementing strict erosion and sediment control measures. We recommend that instream work be designed and performed in a manner that minimizes impacts upon natural streamflow and movement of resident aquatic species. If a dam and pump-around must be used, we recommend it be used for as limited a time as possible and that water returned to the stream be free of sediment and excess turbidity. To minimize potential wildlife entanglements resulting from use of synthetic/plastic erosion and sediment control matting, we recommend use of matting made from natural/organic materials such as coir fiber, jute, and/or burlap. To minimize harm to the aquatic environment and its residents resulting from use of the Tremie method to install concrete, installation of grout bags, and traditional pouring of concrete, we recommend that such activities occur only in the dry, allowing all concrete to harden and cure prior to contact with open water. Due to future maintenance costs associated with culverts, and the loss of riparian and aquatic habitat, we prefer stream crossings to be constructed via clear-span bridges. However, if this is not possible, we recommend countersinking any culverts below the streambed at least 6 inches, or the use of bottomless culverts, to allow passage of aquatic organisms. We also recommend the installation of floodplain culverts to carry bankfull discharges.

This project is located within 2 miles of a documented occurrence of a state or federal threatened or endangered plant or insect species and/or other Natural Heritage coordination species. Therefore, we recommend coordination with VDCR-DNH regarding protection of these resources.

Thanks, Amy



Amy Martin *she/her/hers*
**Manager, Wildlife Information & Environmental
Services**

Office 804.367.2211 [REDACTED]

Department of Wildlife Resources

CONSERVE. CONNECT. PROTECT.

7870 Villa Park Drive, P.O. Box 90778, Henrico, VA 23228

www.VirginiaWildlife.gov



Commonwealth of Virginia

VIRGINIA DEPARTMENT OF ENVIRONMENTAL QUALITY

1111 E. Main Street, Suite 1400, Richmond, Virginia 23219

P.O. Box 1105, Richmond, Virginia 23218

(800) 592-5482

www.deq.virginia.gov

Matthew J. Strickler
Secretary of Natural Resources

David K. Paylor
Director
(804) 698-4000

August 13, 2019

Mr. Jason E. Williams
Director Environmental Services
Dominion Energy
5000 Dominion Boulevard
Glen Allen, VA 23060

Transmitted electronically: jason.e.william@dominionenergy.com

Subject: Dominion Energy (Electric Transmission) – Annual Standards and Specifications for Erosion & Sediment Control and Stormwater Management (AS&S for ESC and SWM)

Dear Mr. Williams:

The Virginia Department of Environmental Quality ("DEQ") hereby approves the Annual Standards and Specifications for Erosion & Sediment Control and Stormwater Management for Dominion Energy (Electric Transmission) dated "May 29, 2019". This coverage is effective from August 13, 2019 to August 12, 2020.

To ensure compliance with approved specifications, the Virginia Erosion and Sediment Control Law and the Virginia Stormwater Management Act, DEQ staff will conduct random site inspections, respond to complaints, and provide on-site technical assistance with specific erosion and sediment control and stormwater management measures and plan implementation.

Please note that your approved Annual Standards and Specifications include the following requirements:

1. Variance, exception, and deviation requests must be submitted separately from this Annual Standards and Specifications submission to DEQ. DEQ may require project-specific plans associated with variance requests to be submitted for review and approval.
2. The following information must be submitted to DEQ for each project at least two weeks in advance of the commencement of regulated land-disturbing activities. Notifications shall be sent by email to: StandardsandSpecs@deq.virginia.gov
 - i: Project name or project number;
 - ii: Project location (including nearest intersection, latitude and longitude, access point);
 - iii: On-site project manager name and contact info;
 - iv: Responsible Land Disturber (RLD) name and contact info;
 - v: Project description;

Dominion Energy (Electric Transmission) – AS&S for ESC and SWM
August 12, 2019
Page 2 of 2

- vi: Acreage of disturbance for project;
 - vii: Project start and finish date; and
 - viii: Any variances/exceptions/waivers associated with this project.
3. Project tracking of all regulated land disturbing activities (LDA) must be submitted to the DEQ on a bi-annual basis. Project tracking records shall contain the same information as required in the two week e-notifications for each regulated LDA.
 4. Erosion & Sediment Control and Stormwater Management plan review and approval must be conducted by DEQ-Certified plan reviewers and documented in writing.

To ensure an efficient information exchange and response to inquiries, the DEQ Central Office is your primary point of contact. Central Office staff will coordinate with our Regional Office staff as appropriate.

Thank you very much for your submission and continued efforts to conserve and protect Virginia's precious natural resources.

Sincerely,



Jaime B. Robb, Manager
Office of Stormwater Management

Cc: Amelia Boschen, Amelia.h.boschen@dominionenergy.com
Elizabeth Hester, Elizabeth.l.hester@dominionenergy.com
Stacey Ellis, Stacey.t.ellis@dominionenergy.com

Case Decision Information:

As provided by Rule 2A:2 of the Supreme Court of Virginia, you have thirty days from the date of service (the date you actually received this decision or the date it was mailed to you, whichever occurred first) within which to appeal this decision by filing a notice of appeal in accordance with the Rules of the Supreme Court of Virginia with the Director, Department of Environmental Quality. In the event that this decision is served on you by mail, three days are added to that period.



**STAGE I PRE-APPLICATION
ANALYSIS FOR THE PROPOSED
DOMINION ENERGY VIRGINIA LINE
#183 PARTIAL REBUILD PROJECT,
FAUQUIER AND PRINCE WILLIAM
COUNTIES, VIRGINIA**

July 28, 2022

Prepared for:

Dominion Energy Virginia
Attention: Nancy Reid
10900 Nuckols Road, 4th Floor
Glenn Allen, VA 23060
(434) 532-7579

Prepared by:

Sandra DeChard
Senior Architectural Historian

and

Brynn Stewart
Senior Principal Investigator

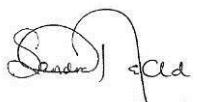
Stantec Consulting Services Inc.
1011 Boulder Springs Drive, Suite 225,
Richmond VA 23225-4951
(804) 267-3474

Sign-off Sheet

The conclusions in the Report are Stantec's professional opinion, as of the time of the Report, and concerning the scope described in the Report. The opinions in the document are based on conditions and information existing at the time the document was published and do not take into account any subsequent changes. The Report relates solely to the specific project for which Stantec was retained and the stated purpose for which the Report was prepared. The Report is not to be used or relied on for any variation or extension of the project, or for any other project or purpose, and any unauthorized use or reliance is at the recipient's own risk.

Stantec has assumed all information received from the Client and third parties in the preparation of the Report to be correct. While Stantec has exercised a customary level of judgment or due diligence in the use of such information, Stantec assumes no responsibility for the consequences of any error or omission contained therein.

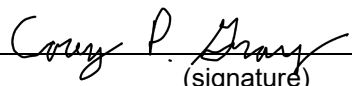
This Report is intended solely for use by the Client in accordance with Stantec's contract with the Client. While the Report may be provided to applicable authorities having jurisdiction and others for whom the Client is responsible, Stantec does not warrant the services to any third party. The report may not be relied upon by any other party without the express written consent of Stantec, which may be withheld at Stantec's discretion.

Prepared by  _____
(signature)

Sandra DeChard, Senior Architectural Historian

Reviewed by  _____
(signature)

Brynn Stewart, Senior Principal Investigator

Approved by  _____
(signature)

Corey Gray, Senior Environmental Scientist

**STAGE I PRE-APPLICATION ANALYSIS FOR THE PROPOSED DOMINION ENERGY VIRGINIA LINE #183
REBUILD PROJECT, FAQUIER AND PRINCE WILLIAM COUNTIES, VIRGINIA**

Table of Contents

EXECUTIVE SUMMARY	I
ABBREVIATIONS	IV
1.0 INTRODUCTION.....	1.1
1.1 OVERVIEW.....	1.1
1.2 STAGE I PRE-APPLICATION ANALYSIS	1.6
2.0 BACKGROUND RESEARCH	2.1
2.1 RESULTS OF THE BACKGROUND RESEARCH	2.1
2.1.1 Architectural Resources	2.1
2.1.2 Archaeological Resources.....	2.2
3.0 STAGE I PRE-APPLICATION ANALYSIS RESULTS	3.1
3.1 VISUAL EFFECTS METHODOLOGY.....	3.1
3.2 INDIVIDUAL ARCHITECTURAL RESOURCES CONSIDERED	3.1
3.2.1 Bel Air (DHR #076-0001)	3.1
3.2.2 Effingham Plantation (DHR #076-0006)	3.7
3.3 HISTORIC DISTRICTS CONSIDERED	3.11
3.3.1 Bristersburg Historic District (DHR #030-5161)	3.11
3.3.2 Elk Run Rural Historic District (DHR #030-5588).....	3.14
3.3.3 Chopawamsic Recreational Demonstration Area/Prince William Forest Park Historic District (DHR #076-0299)	3.19
4.0 RECOMMENDATIONS AND CONCLUSIONS	4.1
4.1 OVERVIEW	4.1
4.1.1 Recommendations - Architectural Resources.....	4.1
4.1.2 Recommendations - Archaeological Resources	4.2
5.0 REFERENCES.....	5.1
LIST OF TABLES	
Table 1 Proposed Structure Heights for the Rebuild Project.....	1.1
Table 2 Study Areas as Defined by DHR Guidelines for Transmission Lines	2.1
Table 3 Previously Recorded Architectural Resources Considered under the Stage I Pre- Application Guidelines	2.2
Table 4 Previously Recorded Archaeological Resources Considered under the Stage I Pre-Application Guidelines.....	2.2
Table 5 Previously Recorded Architectural Resources Considered under the Stage I Pre- Application Guidelines	4.2
Table 6 Previously Recorded Archaeological Resources Considered under the Stage I Pre-Application Guidelines.....	4.2
LIST OF FIGURES	
Figure 1 Project Location Map.	1.8

**STAGE I PRE-APPLICATION ANALYSIS FOR THE PROPOSED DOMINION ENERGY VIRGINIA LINE #183
REBUILD PROJECT, FAQUIER AND PRINCE WILLIAM COUNTIES, VIRGINIA**

Figure 2 View of Bel Air (DHR #076-0001), Looking North.....	3.2
Figure 3 View from Bel Air (DHR #076-0001), Looking West from Location 1. The Existing Transmission Line is not Visible.	3.3
Figure 4 View from Bel Air (DHR #076-0001), Looking North from Location 1. The Existing Transmission Line is not Visible.	3.4
Figure 5 View from Bel Air (DHR #076-0001), Looking North from Location 2. The Existing Transmission Line is not Visible.	3.4
Figure 6 View from Bel Air (DHR #076-0001), Looking North from Location 3. The Existing Transmission Line is Visible.	3.5
Figure 7 Viewshed Analysis and Photo Location Map for Bel Air (DHR #076-0001).....	3.6
Figure 8 View of Effingham Plantation (DHR #076-0006), Looking Southeast.	3.7
Figure 9 View from Effingham Plantation (DHR #076-0006), Looking Southeast from Location 4. The Visible Transmission Line is not Part of the Current Project.....	3.8
Figure 10 View from Effingham Plantation (DHR #076-0006), Looking Southeast from Location 5. Visible Transmission Line is not Part of the Current Project.....	3.9
Figure 11 Viewshed Analysis and Photo Location Map for Effingham Plantation (DHR #076-0006).	3.10
Figure 12 View of Bristersburg Historic District (DHR #030-5161), Looking Southeast.....	3.11
Figure 13 View from Bristersburg Historic District (DHR #030-5161) and Elk Run Rural Historic District (DHR #030-5588) Looking East from Photo Location 6. The Existing Transmission Line is Not Visible.....	3.12
Figure 14 Viewshed Analysis and Photo Location Map of the Bristersburg Historic District (DHR #030-5161).....	3.13
Figure 15 View of Elk Run Rural Historic District (DHR #030-5588) Looking Northeast.	3.14
Figure 16 View from Elk Run Rural Historic District (DHR #030-5588) Looking Northeast from Photo Location 7. The Existing Transmission Line is Visible.....	3.15
Figure 17 View from Elk Run Rural Historic District (DHR #030-5588) Looking Northeast from Photo Location 6. The Existing Transmission Line is not Visible.....	3.16
Figure 18 View from Elk Run Rural Historic District (DHR #030-5588) Looking East from Photo Location 8. The Existing Transmission Line is Visible.....	3.16
Figure 19 View from Elk Run Rural Historic District (DHR #030-5588) Looking Northwest from Photo Location 9. The Existing Transmission Line is Visible.....	3.17
Figure 20 Viewshed Analysis and Photo Location Map of the Elk Run Rural Historic District (DHR #030-5588).....	3.18
Figure 21 Chopawamsic Recreational Demonstration Area/Prince William Forest Park Historic District (DHR #076-0299), View Looking Southeast.	3.19
Figure 22 View from Chopawamsic Recreational Demonstration/Prince William Forest Park Historic District (DHR #076-0299) Looking East from Photo Location 10. The Existing Transmission Line is Visible.	3.20
Figure 23 View from Chopawamsic Recreational Demonstration/Prince William Forest Park Historic District (DHR #076-0299) Looking North from Photo Location 11. The Existing Transmission Line is Not Visible.....	3.21
Figure 24 Viewshed Analysis and Photo Location Map of the Chopawamsic Recreational Demonstration/Prince William Forest Park Historic District (DHR #076-0299).	3.22

**STAGE I PRE-APPLICATION ANALYSIS FOR THE PROPOSED DOMINION ENERGY VIRGINIA LINE #183
REBUILD PROJECT, FAQUIER AND PRINCE WILLIAM COUNTIES, VIRGINIA**

LIST OF APPENDICES

APPENDIX A: SCHEMATICS

APPENDIX B: ARCHITECTURAL RESOURCES MAPS

APPENDIX C: PHOTOSIMULATIONS

APPENDIX D: ARCHAEOLOGICAL RESOURCES MAP

**STAGE I PRE-APPLICATION ANALYSIS FOR THE PROPOSED DOMINION ENERGY VIRGINIA LINE #183
REBUILD PROJECT, FAQUIER AND PRINCE WILLIAM COUNTIES, VIRGINIA**

Executive Summary

Stantec Consulting Services Inc. (Stantec) was retained by Dominion Energy Virginia (Dominion Energy) to conduct a Stage I Pre-Application Analysis for the proposed Line #183 Partial Rebuild Project (Rebuild Project) in Fauquier and Prince William counties, Virginia. The project proposed by Dominion Energy is necessary in order to maintain the structural integrity and reliability of its transmission system and to comply with mandatory North American Electric Reliability Corporation (NERC) Reliability Standards. The project will be conducted entirely within an existing right-of-way (ROW) and consists of approximately 15.2 miles of existing 115 kV transmission line. The Rebuild Project will require the tear-down and replacement of 121 existing transmission structures and the addition of three new structures between Structure #183/12 north of the Bristers Substation in Fauquier County and Structure #183/134 near the Minnieville Delivery Point (DP) in Prince William County. The existing structures are predominantly single circuit 115 kV wood H-frame structures and double circuit 115 kV weathering steel (COR-TEN®) lattice towers. Dominion proposes to replace Structures #183/13 through #183/23 with 230 kV single circuit weathering steel H-frames, and to replace Structures #183/24 through #183/133 primarily with 230 kV double circuit weathering steel monopoles, which will have a set of three vacant davit arms available for future load growth. Structures #183/12 and #183/134 will remain and Structure #183/124 will be removed and not replaced. This rebuild of the 15.2-mile segment of Dominion's 115 kV Line #183 is inclusive of a 0.11-mile single circuit 115 kV tap circuit, which feeds the Sowego DP owned by Northern Virginia Electric Cooperative (NOVEC) and will be rebuilt with two 230 kV single circuit weathering steel 3-pole structures.

All proposed structure heights and locations provided in this report are based upon preliminary engineering and are subject to final design. Based on this information, the proposed average structure height will increase 40 feet with the maximum structure height increase of 67 feet. Three structures will decrease in height with a maximum of 11 feet.

Background research for the Stage I Pre-Application Analysis was conducted in January 2022 by Stantec staff. The preliminary background research and the field study was conducted pursuant to the *Guidelines for Assessing Impacts of Proposed Electric Transmission Lines and Associated Facilities on Historic Resources in the Commonwealth of Virginia* (Virginia Department of Historic Resources [DHR] 2008) for proposed transmission line improvements.

As detailed by DHR guidance, consideration was given to National Historic Landmark (NHL) properties located within a 1.5-mile radius of the project centerline; National Register of Historic Places (NRHP)-listed properties, battlefields, and historic landscapes located within a 1.0-mile radius of the project centerline; NRHP-eligible sites located within a 0.5-mile radius of the project centerline; and archaeological sites located within the project ROW. Five previously surveyed architectural resources were identified for inclusion in the Stage I analysis. Four previously recorded archaeological resources within the existing ROW were also identified during this phase of the project.

STAGE I PRE-APPLICATION ANALYSIS FOR THE PROPOSED DOMINION ENERGY VIRGINIA LINE #183 REBUILD PROJECT, FAQUIER AND PRINCE WILLIAM COUNTIES, VIRGINIA*Recommendations**Architectural Resources*

No NHL architectural resources were located within a 1.5-mile radius of the Rebuild Project centerline. Two NRHP-listed resources and two NRHP-listed historic districts were located within 1.0 mile and one NRHP-eligible historic district was identified within 0.5 mile of the centerline. Two of the resources cross the existing right-of-way: the Elk Run Rural Historic District (DHR #030-5588) and the Chopawamsic Recreational Demonstration Area/Prince William Forest Park Historic District (DHR #076-0299). As the study was completed prior to filing a State Corporation Commission (SCC) application, all digital images were taken from public ROW, unless permission from the landowner was granted at the time of the survey, and/or Dominion Energy easements.

Based on preliminary proposed structure heights, the proposed Line #183 Partial Rebuild Project would increase the average height of the structures by 40 feet with a maximum height increase of 67 feet. Based on the analysis of the proposed structures, it is recommended that the Rebuild Project would have No Visual Impact to the Bristersburg Historic District (DHR #030-5161) and Bel Air (DHR #076-0001) and a Minimal Visual Impact to Effingham Plantation (DHR #076-0006) and the Chopawamsic Recreational Demonstration Area/Prince William Forest Park Historic District (DHR #076-0299). The project is recommended as having a Minimal to Moderate Impact on the Elk Run Rural Historic District (DHR #030-5588); however, additional viewshed analysis is recommended during the Stage II study to further evaluate the degree of visual impact on the resource by the proposed Rebuild Project.

Previously Recorded Architectural Resources Considered under the Stage I Pre-Application Guidelines

DHR #	Resource Name	DHR/NRHP Status	Distance to Closest Raised Structure (Feet)	Impacts
030-5161	Bristersburg Historic District	NRHP-Listed	4,487	None
030-5588	Elk Run Rural Historic District	NRHP-Eligible	0	Minimal to Moderate
076-0001	Bel Air, 14513 General Washington Drive	NRHP-Listed	782	None*
076-0006	Effingham Plantation, 14050 Aden Road	NRHP-Listed	3,998	Minimal
076-0299	Chopawamsic Recreational Demonstration Area/Prince William Forest Park Historic District	NRHP-Listed	0	Minimal

*Note: The impacts recommendation is based on the current tax parcel boundary of the resource and not the current V-CRIS boundary which is obsolete.

**STAGE I PRE-APPLICATION ANALYSIS FOR THE PROPOSED DOMINION ENERGY VIRGINIA LINE #183
REBUILD PROJECT, FAQUIER AND PRINCE WILLIAM COUNTIES, VIRGINIA**

Archaeological Resources

Four previously recorded archaeological resources were identified within the Rebuild Project ROW. Three of the resources, Sites 44FQ0284, 44PW0915, and 44PW1837, are late nineteenth to early twentieth century farmsteads. Two of the three sites have been determined not eligible for listing on the NRHP by DHR. Site 44PW0915 is currently not evaluated. The fourth site, a nineteenth century mill (44PW0962), was determined eligible by DHR. ***It is recommended that archaeological sites located within the ROW be investigated and evaluated as appropriate during future investigations.***

Previously Recorded Archaeological Resources Considered under the Stage I Pre-Application Guidelines

DHR #	Resource Name	DHR/NRHP Status	Distance to ROW (Feet)	Impact
44FQ0284	Late 19 th to Early 20 th Century Farmstead	Not Eligible	0	Investigate During Archaeological Survey
44PW0915	Late 19 th to Early 20 th Century Farmstead	Not Evaluated	0	Investigate During Archaeological Survey
44PW0962	19 th Century Mill	Eligible	0	Investigate During Archaeological Survey
44PW1837	Late 19 th to Early 20 th Century Farmstead	Not Eligible	0	Investigate During Archaeological Survey

**STAGE I PRE-APPLICATION ANALYSIS FOR THE PROPOSED DOMINION ENERGY VIRGINIA LINE #183
REBUILD PROJECT, FAQUIER AND PRINCE WILLIAM COUNTIES, VIRGINIA**

Abbreviations

ABPP	American Battlefield Protection Program
DEM	Digital Elevation Model
DHR	Virginia Department of Historic Resources
Dominion Energy	Dominion Energy Virginia
DP	Delivery Point
DSM	Digital Surface Model
kV	Kilovolt
NERC	North American Electric Reliability Corporation
NHL	National Historic Landmark
NHPA	National Historic Preservation Act
NPS	National Park Service
NRHP	National Register of Historic Places
ROW	Right-of-Way
SCC	State Corporation Commission
Stantec	Stantec Consulting Services, Inc.
USDI	United States Department of the Interior
V-CRIS	Virginia Cultural Resources Information System
VLR	Virginia Landmarks Register

STAGE I PRE-APPLICATION ANALYSIS FOR THE PROPOSED DOMINION ENERGY VIRGINIA LINE #183 REBUILD PROJECT, FAQUIER AND PRINCE WILLIAM COUNTIES, VIRGINIA

1.0 INTRODUCTION

1.1 OVERVIEW

Stantec Consulting Services Inc. (Stantec) was retained by Dominion Energy Virginia (Dominion Energy) to conduct a Stage I Pre-Application Analysis for the proposed Line #183 Partial Rebuild Project (Rebuild Project) in Fauquier and Prince William counties, Virginia (Figure 1). The project proposed by Dominion Energy is necessary in order to maintain the structural integrity and reliability of its transmission system and to comply with mandatory North American Electric Reliability Corporation (NERC) Reliability Standards. The project will be conducted entirely within an existing right-of-way (ROW) and consists of approximately 15.2 miles of existing 115 kV transmission line. The Rebuild Project will require the tear-down and replacement of 121 existing transmission structures and the addition of three new structures between Structure #183/12 north of the Bristers Substation in Fauquier County and Structure #183/134 near the Minnieville Delivery Point (DP) in Prince William County. The existing structures are predominantly single circuit 115 kV wood H-frame structures and double circuit 115 kV weathering steel (COR-TEN®) lattice towers. Dominion proposes to replace Structures #183/13 through #183/23 with 230 kV single circuit weathering steel H-frames, and to replace Structures #183/24 through #183/133 primarily with 230 kV double circuit weathering steel monopoles, which will have a set of three vacant davit arms available for future load growth. Structures #183/12 and #183/134 will remain and Structure #183/124 will be removed and not replaced. This rebuild of the 15.2-mile segment of Dominion's 115 kV Line #183 is inclusive of a 0.11-mile single circuit 115 kV tap circuit, which feeds the Sowego DP owned by Northern Virginia Electric Cooperative (NOVEC) and will be rebuilt with two 230 kV single circuit weathering steel 3-pole structures (Table 1).

Table 1 Proposed Structure Heights for the Rebuild Project¹

Structure No.	Height (Feet) Existing	Height (Feet) Proposed	Approximate Change in Height (Feet)	Existing/Proposed Structure Type
183/12*	75	75	0	Structure will not be Replaced During the Current Project
183/13	53	88	35	Wood H-Frame/Single Circuit Weathering Steel H-Frame
183/14	62	88	26	Wood H-Frame/Single Circuit Weathering Steel H-Frame
183/15	56	70	14	Wood H-Frame/Single Circuit Weathering Steel H-Frame
183/16	56	75	19	Wood H-Frame/Single Circuit Weathering Steel H-Frame
183/17	63	79	16	Wood H-Frame/Single Circuit Weathering Steel H-Frame
183/18	57	84	27	Wood H-Frame/Single Circuit Weathering Steel H-Frame

¹ Structure heights do not include foundation reveal. Proposed heights based on preliminary engineering and are subject to change during the final design.

**STAGE I PRE-APPLICATION ANALYSIS FOR THE PROPOSED DOMINION ENERGY VIRGINIA LINE #183
REBUILD PROJECT, FAQUIER AND PRINCE WILLIAM COUNTIES, VIRGINIA**

Structure No.	Height (Feet) Existing	Height (Feet) Proposed	Approximate Change in Height (Feet)	Existing/Proposed Structure Type
183/19	68	110	42	Wood H-Frame/Single Circuit Weathering Steel H-Frame
183/20	79	110	31	Wood H-Frame/Single Circuit Weathering Steel H-Frame
183/21	83	90	7	Wood H-Frame/Single Circuit Weathering Steel H-Frame
183/22	77	88	11	Wood H-Frame/Single Circuit Weathering Steel H-Frame
183/23	69	84	15	Wood H-Frame/Single Circuit Weathering Steel H-Frame
183/24	50	100	50	Wood H-Frame/Weathering Steel Double-Circuit Monopole
183/25	52	100	48	Wood H-Frame/Weathering Steel Double-Circuit Monopole
183/26	53	105	52	Wood H-Frame/Weathering Steel Double-Circuit Monopole
183/27	52	110	58	Wood H-Frame/Weathering Steel Double-Circuit Monopole
183/28	57	105	48	Wood H-Frame/Weathering Steel Double-Circuit Monopole
183/29	54	115	61	Wood H-Frame/Weathering Steel Double-Circuit Monopole
183/30	52	105	53	Wood H-Frame/Weathering Steel Double-Circuit Monopole
183/31	51	100	49	Wood H-Frame/Weathering Steel Double-Circuit Monopole
183/32	57	110	53	Wood H-Frame/Weathering Steel Double-Circuit Monopole
183/33	58	105	47	Wood H-Frame/Weathering Steel Double-Circuit Monopole
183/34	48	100	52	Wood H-Frame/Weathering Steel Double-Circuit Monopole
183/35	57	110	53	Wood H-Frame/Weathering Steel Double-Circuit Monopole
183/36	55	105	50	Wood H-Frame/Weathering Steel Double-Circuit Monopole
183/37	52	105	53	Wood H-Frame/Weathering Steel Double-Circuit Monopole
183/38	57	105	48	Wood H-Frame/Weathering Steel Double-Circuit Monopole
183/39	56	115	59	Wood H-Frame/Weathering Steel Double-Circuit Monopole
183/40	49	105	56	Wood H-Frame/Weathering Steel Double-Circuit Monopole
183/41	52	90	38	Wood H-Frame/Weathering Steel Double-Circuit Monopole
183/42	57	110	53	Wood H-Frame/Weathering Steel Double-Circuit Monopole
183/43	71	110	39	Wood H-Frame/Weathering Steel Double-Circuit Monopole
183/44	57	115	58	Wood H-Frame/Weathering Steel Double-Circuit Monopole
183/45	52	100	48	Wood H-Frame/Weathering Steel Double-Circuit Monopole

**STAGE I PRE-APPLICATION ANALYSIS FOR THE PROPOSED DOMINION ENERGY VIRGINIA LINE #183
REBUILD PROJECT, FAQUIER AND PRINCE WILLIAM COUNTIES, VIRGINIA**

Structure No.	Height (Feet) Existing	Height (Feet) Proposed	Approximate Change in Height (Feet)	Existing/Proposed Structure Type
183/46	57	110	53	Wood H-Frame/Weathering Steel Double-Circuit Monopole
183/47	58	110	52	Wood H-Frame/Weathering Steel Double-Circuit Monopole
183/48	57	110	53	Wood H-Frame/Weathering Steel Double-Circuit Monopole
183/49	68	115	47	Wood H-Frame/Weathering Steel Double-Circuit Monopole
183/50	51	110	59	Wood H-Frame/Weathering Steel Double-Circuit Monopole
183/51	51	100	49	Wood H-Frame/Weathering Steel Double-Circuit Monopole
183/52	47	100	53	Wood H-Frame/Weathering Steel Double-Circuit Monopole
183/53	49	90	41	Wood H-Frame/Weathering Steel Double-Circuit Monopole
183/54	51	100	49	Wood H-Frame/Weathering Steel Double-Circuit Monopole
183/55	67	120	53	Wood H-Frame/Weathering Steel Double-Circuit Monopole
183/56	74	125	51	Wood H-Frame/Weathering Steel Double-Circuit Monopole
183/57	51	105	54	Wood H-Frame/Weathering Steel Double-Circuit Monopole
183/58	53	115	62	Wood H-Frame/Weathering Steel Double-Circuit Monopole
183/59	58	110	52	Wood H-Frame/Weathering Steel Double-Circuit Monopole
183/60	59	105	46	Wood H-Frame/Weathering Steel Double-Circuit Monopole
183/61	52	110	58	Wood H-Frame/Weathering Steel Double-Circuit Monopole
183/62	57	105	48	Wood H-Frame/Weathering Steel Double-Circuit Monopole
183/63	56	105	49	Wood H-Frame/Weathering Steel Double-Circuit Monopole
183/64	52	105	53	Wood H-Frame/Weathering Steel Double-Circuit Monopole
183/65	52	105	53	Wood H-Frame/Weathering Steel Double-Circuit Monopole
183/66	62	85	23	Wood H-Frame/Weathering Steel Double-Circuit Monopole
183/67	55	85	30	Wood H-Frame/Weathering Steel Double-Circuit Monopole
183/68	51	100	49	Wood H-Frame/Weathering Steel Double-Circuit Monopole
183/69	63	120	57	Wood H-Frame/Weathering Steel Double-Circuit Monopole
183/70	67	105	38	Wood H-Frame/Weathering Steel Double-Circuit Monopole
183/71	57	110	53	Wood H-Frame/Weathering Steel Double-Circuit Monopole
183/72	51	100	49	Wood H-Frame/Weathering Steel Double-Circuit Monopole

**STAGE I PRE-APPLICATION ANALYSIS FOR THE PROPOSED DOMINION ENERGY VIRGINIA LINE #183
REBUILD PROJECT, FAQUIER AND PRINCE WILLIAM COUNTIES, VIRGINIA**

Structure No.	Height (Feet) Existing	Height (Feet) Proposed	Approximate Change in Height (Feet)	Existing/Proposed Structure Type
183/73	68	110	42	Wood H-Frame/Weathering Steel Double-Circuit Monopole
183/74	52	110	58	Wood H-Frame/Weathering Steel Double-Circuit Monopole
183/75	51	105	54	Wood H-Frame/Weathering Steel Double-Circuit Monopole
183/76	58	110	52	Wood H-Frame/Weathering Steel Double-Circuit Monopole
183/77	59	105	46	Wood H-Frame/Weathering Steel Double-Circuit Monopole
183/78	51	100	49	Wood H-Frame/Weathering Steel Double-Circuit Monopole
183/79	54	110	56	Wood H-Frame/Weathering Steel Double-Circuit Monopole
183/80	68	110	42	Wood H-Frame/Weathering Steel Double-Circuit Monopole
183/81	52	105	53	Wood H-Frame/Weathering Steel Double-Circuit Monopole
183/82	57	105	48	Wood H-Frame/Weathering Steel Double-Circuit Monopole
183/83	47	100	53	Wood H-Frame/Weathering Steel Double-Circuit Monopole
183/84	58	110	52	Wood H-Frame/Weathering Steel Double-Circuit H-Frame
183/86	60	110	50	Wood H-Frame/Weathering Steel Double-Circuit H-Frame
183/87	62	100	38	Wood H-Frame/Weathering Steel Double-Circuit Monopole
183/88	47	100	53	Wood H-Frame/Weathering Steel Double-Circuit Monopole
183/89	56	105	49	Wood H-Frame/Weathering Steel Double-Circuit Monopole
183/90	48	110	62	Wood H-Frame/Weathering Steel Double-Circuit Monopole
183/91	48	100	52	Wood H-Frame/Weathering Steel Double-Circuit Monopole
183/92	47	105	58	Wood H-Frame/Weathering Steel Double-Circuit Monopole
183/93	51	100	49	Wood H-Frame/Weathering Steel Double-Circuit Monopole
183/94	61	105	44	Wood H-Frame/Weathering Steel Double-Circuit Monopole
183/95	53	120	67	Wood H-Frame/Weathering Steel Double-Circuit Monopole
183/96	53	115	62	Wood H-Frame/Weathering Steel Double-Circuit Monopole
183/97	61	100	39	Wood H-Frame/Weathering Steel Double-Circuit Monopole
183/98	60	75	15	Wood H-Frame/Weathering Steel Double-Circuit H-Frame
183/99	62	75	13	Wood H-Frame/Weathering Steel Single-Circuit H-Frame
183/100	75	120	45	Wood H-Frame/Weathering Steel Double-Circuit Monopole

**STAGE I PRE-APPLICATION ANALYSIS FOR THE PROPOSED DOMINION ENERGY VIRGINIA LINE #183
REBUILD PROJECT, FAQUIER AND PRINCE WILLIAM COUNTIES, VIRGINIA**

Structure No.	Height (Feet) Existing	Height (Feet) Proposed	Approximate Change in Height (Feet)	Existing/Proposed Structure Type
183/101	103	120	17	Weathering Steel Double-Circuit Lattice Tower/Weathering Steel Double-Circuit Monopole
183/102	104	120	16	Weathering Steel Double Circuit Lattice Tower/Weathering Steel Double-Circuit Monopole
183/103	120	140	20	Weathering Steel Double Circuit Lattice Tower/Weathering Steel Double-Circuit Monopole
183/104	129	145	16	Weathering Steel Double Circuit Lattice Tower/Weathering Steel Double-Circuit Monopole
183/105	103	125	22	Weathering Steel Double Circuit Lattice Tower/Weathering Steel Double-Circuit Monopole
183/106	103	120	17	Weathering Steel Double Circuit Lattice Tower/Weathering Steel Double-Circuit Monopole
183/107	118	125	7	Weathering Steel Double Circuit Lattice Tower/Weathering Steel Double-Circuit Monopole
183/108	107	120	13	Weathering Steel Double Circuit Lattice Tower/Weathering Steel Double-Circuit Monopole
183/109	108	130	22	Weathering Steel Double Circuit Lattice Tower/Weathering Steel Double-Circuit Monopole
183/110	141	130	-11	Weathering Steel Double Circuit Lattice Tower/Weathering Steel Double-Circuit Monopole
183/111	103	130	27	Weathering Steel Double Circuit Lattice Tower/Weathering Steel Double-Circuit Monopole
183/112	113	125	12	Weathering Steel Double Circuit Lattice Tower/Weathering Steel Double-Circuit Monopole
183/113	113	125	12	Weathering Steel Double Circuit Lattice Tower/Weathering Steel Double-Circuit Monopole
183/114	108	135	27	Weathering Steel Double Circuit Lattice Tower/Weathering Steel Double-Circuit Monopole
183/115	107	135	28	Weathering Steel Double Circuit Lattice Tower/Weathering Steel Double-Circuit Monopole
183/116	108	110	2	Weathering Steel Double Circuit Lattice Tower/Weathering Steel Double-Circuit Monopole
183/117	104	120	16	Weathering Steel Double Circuit Lattice Tower/Weathering Steel Double-Circuit Monopole
183/118	107	145	38	Weathering Steel Double Circuit Lattice Tower/Weathering Steel Double-Circuit Monopole
183/119	130	130	0	Weathering Steel Double Circuit Lattice Tower/Weathering Steel Double-Circuit Monopole
183/120	103	115	12	Weathering Steel Double Circuit Lattice Tower/Weathering Steel Double-Circuit Monopole
183/121	112	130	18	Weathering Steel Double Circuit Lattice Tower/Weathering Steel Double-Circuit Monopole
183/122	118	130	12	Weathering Steel Double Circuit Lattice Tower/Weathering Steel Double-Circuit Monopole
183/123	57	110	53	Weathering Steel Double Circuit Lattice Tower/Weathering Steel Single-Circuit Monopole
183/124**	57	N/A	N/A	Structure will be Removed and not Replaced
183/125	112	110	-2	Weathering Steel Double Circuit Lattice Tower/Weathering Steel Single-Circuit Monopole
183/126	125	140	15	Weathering Steel Double Circuit Lattice Tower/Weathering Steel Double-Circuit Monopole
183/127	114	135	21	Weathering Steel Double Circuit Lattice Tower/Weathering Steel Double-Circuit Monopole

**STAGE I PRE-APPLICATION ANALYSIS FOR THE PROPOSED DOMINION ENERGY VIRGINIA LINE #183
REBUILD PROJECT, FAQUIER AND PRINCE WILLIAM COUNTIES, VIRGINIA**

Structure No.	Height (Feet) Existing	Height (Feet) Proposed	Approximate Change in Height (Feet)	Existing/Proposed Structure Type
183/128	103	110	7	Weathering Steel Double Circuit Lattice Tower/Weathering Steel Double-Circuit Monopole
183/129	104	110	6	Weathering Steel Double Circuit Lattice Tower/Weathering Steel Double-Circuit Monopole
183/130	103	125	22	Weathering Steel Double-Circuit Lattice Tower/Weathering Steel Double-Circuit Monopole
183/130A	N/A	105	N/A	No Existing Structure/Weathering Steel Double-Circuit Monopole
183/131	104	110	6	Weathering Steel Double-Circuit Lattice Tower/Weathering Steel Double-Circuit Monopole
183/132	43	110	67	Weathering Steel Self-Supporting Switch/Weathering Steel Single-Circuit Monopole
183/132B	N/A	100	N/A	No Existing Structure/Weathering Steel Single-Circuit Monopole
183/133	46	110	64	Weathering Steel Self-Supporting Switch/Weathering Steel Single-Circuit Monopole
183/133B	N/A	100	N/A	No Existing Structure/Weathering Steel Single-Circuit Monopole
183/134*	145	145	0	Structure will not be Replaced During the Current Project
183/1000	N/A	75	N/A	Wood H-Frame/Weathering Steel Single-Circuit 3-Pole
183/1001	78	70	-8	Wood H-Frame/Weathering Steel Single-Circuit 3-Pole
Minimum	43	70	-11	N/A
Maximum	141	145	67	N/A
Average Height	70	110	40	N/A

Notes: There is no existing structure 183/85.

* Existing structures that are not being replaced and are excluded from minimum, maximum, and average calculations.

** Existing structure that is being removed and not replaced; excluded from minimum, maximum, and average calculations.

1.2 STAGE I PRE-APPLICATION ANALYSIS

The *Guidelines for Assessing Impacts of Proposed Electric Transmission Lines and Associated Facilities on Historic Resources in the Commonwealth of Virginia* (Virginia Department of Historic Resources [DHR] 2008) were developed by the DHR to assist the State Corporation Commission (SCC) and their applicants to address and minimize potential impacts to historic resources associated with the construction of large-scale transmission lines and associated facilities. In consideration to the general project design, as described above, and other elements associated with the proposed undertaking, including current ROW conditions within the proposed project area, Stantec designed the present study to identify all previously recorded architectural and archaeological resources requiring inclusion in a formal Stage I Pre-Application Analysis, as defined by the 2008 *Guidelines*.

As detailed by DHR guidance, consideration was given to National Historic Landmarks (NHL) properties located within a 1.5-mile radius of the project centerline; National Register of Historic Places (NRHP)-listed properties, battlefields, and historic landscapes located within a 1.0-mile radius of the project

**STAGE I PRE-APPLICATION ANALYSIS FOR THE PROPOSED DOMINION ENERGY VIRGINIA LINE #183
REBUILD PROJECT, FAQUIER AND PRINCE WILLIAM COUNTIES, VIRGINIA**

centerline; NRHP-eligible sites located within a 0.5-mile radius of the project centerline; and archaeological sites located within the project ROW. This document includes a viewshed analysis to address potential visual impacts to the five resources considered during the Stage I study.

This Stage I Pre-Application Analysis project was directed by Senior Environmental Scientist Corey Gray and the report authored by Senior Architectural Historian Sandra DeChard. The visual effects survey was conducted by Ms. DeChard with the assistance of Architectural Historian Technician Jody Kutzler. Perron Singleton photographed the resource viewsheds and Audrey Cropp prepared the photo simulations (Appendix C). Visual modeling was prepared by GIS Coordinator, Perron Singleton and support graphics were prepared by GIS Analyst Elise Ljiko.

Figure No.

1

Title

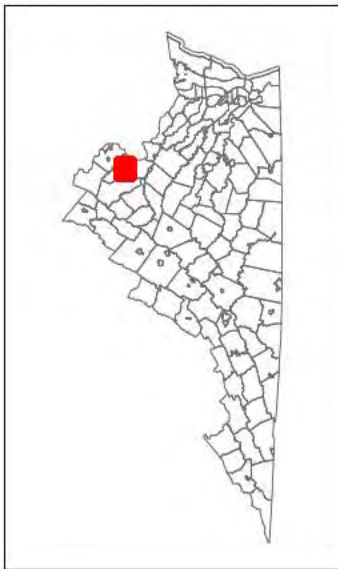
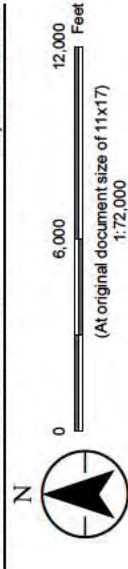
Project Location Map

Client/Project 203401769

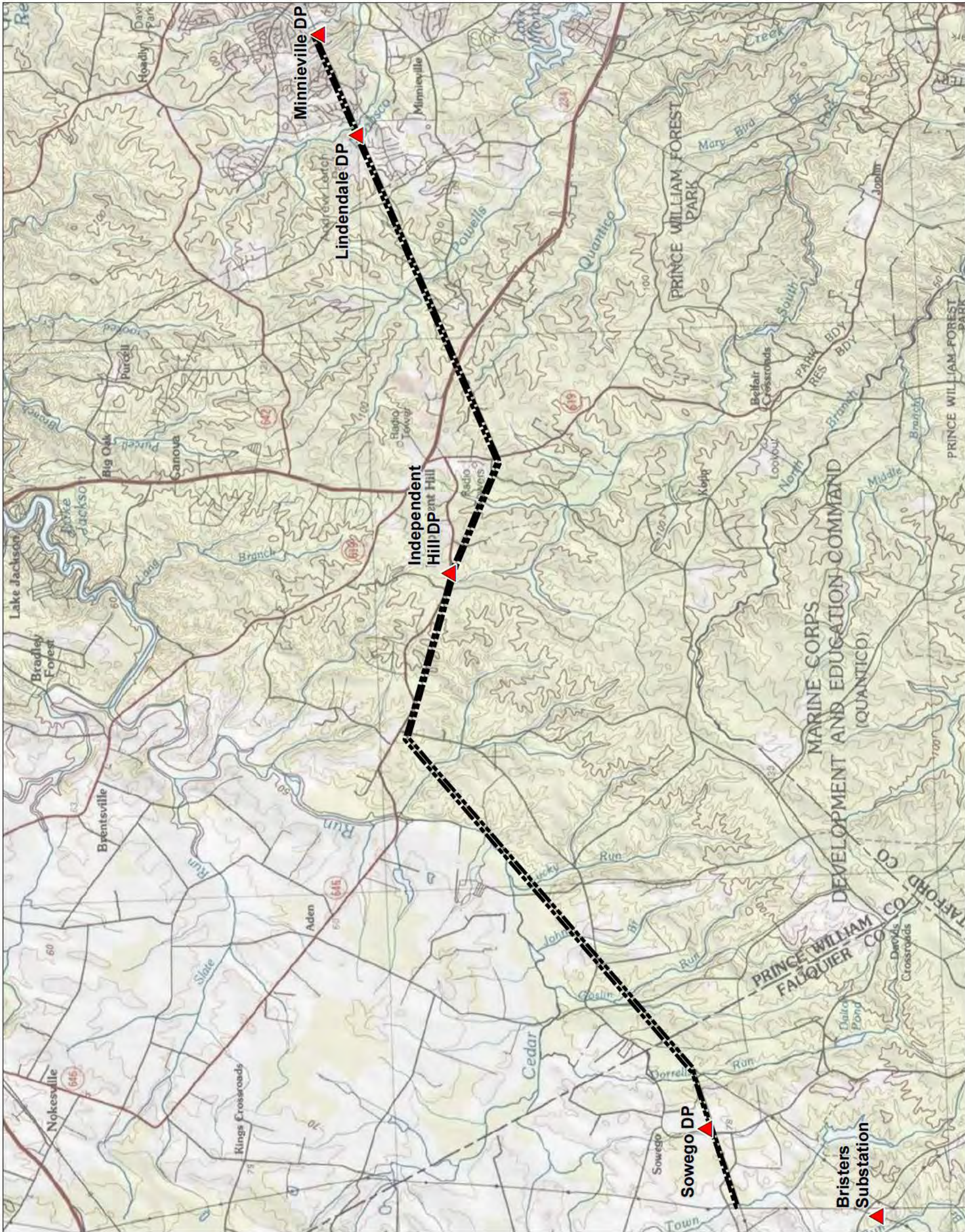
Dominion Energy Virginia
Line #183 Partial Rebuild Project

Project Location

Prepared by ECI on 2022-06-20
TR by ABC on 2022-06-24
IR by SLD on 2022-06-24



Notes
1. Coordinate System: NAD 1983 StatePlane Virginia North FIPS 4501 Feet
2. Data Sources: Dominion Energy Virginia, DCR
3. Topographic map © USGS 30x60 Minute Quadrangle Map



**STAGE I PRE-APPLICATION ANALYSIS FOR THE PROPOSED DOMINION ENERGY VIRGINIA LINE #183
REBUILD PROJECT, FAQUIER AND PRINCE WILLIAM COUNTIES, VIRGINIA**

2.0 BACKGROUND RESEARCH

As part of the Stage I Pre-Application Analysis effort, DHR guidance recommends a four-tier study area strategy to be considered for each alternative alignment for the proposed undertaking (Table 2). Per this guidance consideration was given to: NHL properties located within a 1.5-mile radius of the project centerline; NRHP-listed properties, battlefields, and historic landscapes located within a 1.0-mile radius of the project centerline; NRHP-eligible resources located within a 0.5-mile radius of the project centerline; and archaeological sites located within the project ROW.

Table 2 Study Areas as Defined by DHR Guidelines for Transmission Lines

Radial Buffer (in miles)	Considered Resources
1.5	National Historic Landmarks
1.0	Above Resources and: National Register Properties (listed), Battlefields, Historic Landscapes (e.g., Rural HD)
0.5	Above Resources and: National Register-eligible (as determined by DHR)
0.0 (Within ROW)	Above Resources and Archaeological Sites

The background research included a review of the DHR archives and of data collected from the DHR's Virginia Cultural Resource Information System (V-CRIS) database using the most current data as provided by the DHR. The DHR files of archaeological sites and historic structures were examined and information was retrieved on all archaeological sites located up to a 0.5-mile radius of the project area and all previously recorded architectural resources up to a 1.5-mile radius of the project. ESRI ArcGIS Online aerial photography of current conditions was examined for the entire project area. Photographs of the viewshed of each of the architectural resources under consideration were taken from the public ROW.

2.1 RESULTS OF THE BACKGROUND RESEARCH

2.1.1 Architectural Resources

No NHL architectural resources were located within a 1.5-mile radius of the Rebuild Project centerline. Two NRHP-listed resources and two NRHP-listed historic districts were located within 1.0 mile and one NRHP-eligible historic district was identified within 0.5 mile of the centerline. Two of the resources cross the corridor: the Elk Run Rural Historic District (DHR #030-5588) and the Chopawamsic Recreational Demonstration Area/Prince William Forest Park Historic District (DHR #076-0299). As the study was completed prior to filing a SCC application, all digital images were taken from public ROW and/or Dominion Energy easements. See Table 3 for a listing of the architectural resources within the project area.

STAGE I PRE-APPLICATION ANALYSIS FOR THE PROPOSED DOMINION ENERGY VIRGINIA LINE #183 REBUILD PROJECT, FAQUIER AND PRINCE WILLIAM COUNTIES, VIRGINIA

Table 3 Previously Recorded Architectural Resources Considered under the Stage I Pre-Application Guidelines

DHR #	Resource Name	DHR/NRHP Status	Distance to Closest Project Structure (Feet)
030-5161	Bristersburg Historic District	NRHP-Listed	4,487
030-5588	Elk Run Rural Historic District	NRHP-Eligible	0
076-0001	Bel Air, 14513 General Washington Drive	NRHP-Listed	782
076-0006	Effingham Plantation, 14050 Aden Road	NRHP-Listed	3,998
076-0299	Chopawamsic Recreational Demonstration Area/Prince William Forest Park Historic District	NRHP-Listed	0

2.1.2 Archaeological Resources

Four previously recorded archaeological resources were identified within the Rebuild Project ROW. Three of the resources, Site 44FQ0284, 44PW0915, and 44PW1837 are late nineteenth to early twentieth century farmhouses. Two of the three sites have been determined not eligible for listing on the NRHP by DHR. The third, Site 44PW0915, is currently not evaluated. The fourth site, a nineteenth century mill (44PW0962), was determined eligible by DHR. ***It is recommended that archaeological sites located within the ROW be investigated and evaluated as appropriate during future investigations*** (Appendix D; Table 4).

Table 4 Previously Recorded Archaeological Resources Considered under the Stage I Pre-Application Guidelines

DHR #	Resource Name	DHR/NRHP Status	Distance to ROW (Feet)
44FQ0284	Late 19 th to Early 20 th Century Farmstead	Not Eligible	0
44PW0915	Late 19 th to Early 20 th Century Farmstead	Not Evaluated	0
44PW0962	19 th Century Mill	Eligible	0
44PW1837	Late 19 th to Early 20 th Century Farmstead	Not Eligible	0

**STAGE I PRE-APPLICATION ANALYSIS FOR THE PROPOSED DOMINION ENERGY VIRGINIA LINE #183
REBUILD PROJECT, FAQUIER AND PRINCE WILLIAM COUNTIES, VIRGINIA**

3.0 STAGE I PRE-APPLICATION ANALYSIS RESULTS

3.1 VISUAL EFFECTS METHODOLOGY

Fieldwork for the proposed transmission line project was undertaken by Stantec's Senior Architectural Historian, Sandra DeChard on March 11 and 15, 2022. The fieldwork for the assessment entailed photographing the resources requiring viewshed analysis according to the Stage I Pre-Application guidelines and examining the potential views from the resources towards the proposed transmission line improvements. As the fieldwork was conducted prior to a formal SCC application submittal, all photographs were taken from public ROW locations with aerial photography utilized to supplement the analysis of project visibility and potential visual effects. As the proposed line is a rebuild of an existing transmission line and the proposed new line will be located within the existing alignment, the existing line was utilized to assist with the assessment of potential visual effects.

A detailed viewshed was modeled for the existing and proposed structures. This analysis required the creation of two datasets, a digital elevation model (DEM) which provided base ground elevations, and a digital surface model (DSM) which provided overall elevations for features on the terrain, such as trees and buildings. Using the existing structure heights and preliminary proposed structure heights provided by Dominion Energy, two viewshed analyses were run using these datasets to determine where the existing and proposed structures are or will be visible in the landscape surrounding the proposed transmission line improvements. The visibility is illustrated by three color shadings:

- Orange - where both existing and proposed structures are/will be visible,
- Red - where the existing structures are visible, but the proposed structures will not be, and
- Blue - where the existing structures are not visible, but the proposed structures will be.

3.2 INDIVIDUAL ARCHITECTURAL RESOURCES CONSIDERED

No NHL architectural resources were located within a 1.5-mile radius of the Rebuild Project centerline. Two individual NRHP-listed resources were located within 1.0 mile and were considered for visual effects for the proposed project. The resources are further described below along with a discussion and recommendation of potential effects as a result of the project.

3.2.1 Bel Air (DHR #076-0001)

Bel Air was constructed around 1740 and is a one-and-a-half-story, brick dwelling in the Georgian style. The dwelling sits on a stone foundation and the brick exterior walls are laid in a Flemish bond pattern with some later repairs to the façade laid in a five-course American bond pattern. A large brick chimney is located off the west gable end and a smaller interior brick chimney in the east gable end. While the nine-over-nine wood sash windows are correct for the time period of the house, the sashes are replacements

**STAGE I PRE-APPLICATION ANALYSIS FOR THE PROPOSED DOMINION ENERGY VIRGINIA LINE #183
REBUILD PROJECT, FAQUIER AND PRINCE WILLIAM COUNTIES, VIRGINIA**

(Figure 2). The property also contains a cemetery which dates to around 1756, a privy, and mid-twentieth century garage, two barns, and a well. One of the barns has been converted to a wedding venue. The property was listed on the NRHP in 1970 for its significance in eighteenth century art, literature, and history. In 1988, DHR placed an easement on the whole 21-acre property with an additional easement in 1990 on the adjacent approximately 12.9 acres (DHR Site Files; Bel Air 1740, 2021; Virginia Landmarks Commission 1969).



Figure 2 View of Bel Air (DHR #076-0001), Looking North.

3.2.1.1 Visual Effect Assessment

Bel Air is located within 0.5 mile of the Rebuild Project centerline and the edge of the resource as mapped in V-CRIS is approximately 782 feet to the southeast of the closest Rebuild Project structure (Appendix B). Currently, the property of Bel Air contains approximately 21 acres, which, as mapped in V-CRIS, appears to encompass the historic boundaries of the property. Most of the property beyond the 21 acres under a DHR easement has been sold and now contains large areas of modern residential development. The area surrounding the house comprises a formal garden to the southwest of the house as well as a number of mature trees dotting the manicured lawn. Areas of evergreen and deciduous trees are located beyond and aid in obscuring the surrounding development and existing transmission line corridor from view. Additionally, to the northwest of the dwelling is approximately 2,300 feet of woods interspersed with several modern residential dwellings. Under current conditions, existing structures in the vicinity of the historic core of the resource, which comprise the current tax parcel boundary and the DHR easement boundary, are approximately 43 to 125 feet in height (Structure #183/119 through #183/133B) were not visible (Figures 3–5) based on the field survey. One structure (Structure #183/130) within the V-CRIS mapped area of the resource, which is no longer part of the property, was visible from Photo Location 3 along Estate Drive within the modern residential development located to the southeast of the dwelling (Figure 5).

STAGE I PRE-APPLICATION ANALYSIS FOR THE PROPOSED DOMINION ENERGY VIRGINIA LINE #183 REBUILD PROJECT, FAQUIER AND PRINCE WILLIAM COUNTIES, VIRGINIA

Based upon preliminary design, the proposed replacement structures will have heights ranging between approximately 100 and 140 feet with a maximum increase of 53 feet (Structure #183/123) above the height of the existing structures in the section of the transmission line closest to the resource. Viewshed modeling indicated that the proposed structures would not be visible from the main core of the resource (Appendix C, OP1); however, would be visible from Estate Drive within the modern development (Figure 6 and Appendix C; OP 2). The area of the modern development, according to the tax data, is no longer part of the resource. As a result, though the photosimulation, utilizing the view to the northeast within the residential development, also indicates that proposed Structure #183/130 is visible, this point is no longer associated with the historic resource. It is recommended during the Phase I survey, that the resource be remapped to show the current tax parcel boundary, which comprises the historic core of the property. Based on the fieldwork, the proposed structure heights, photosimulation, and the viewshed modeling, ***it is anticipated that the Rebuild Project would have No Visual Impact on Bel Air (DHR #076-0001).***



Figure 3 View from Bel Air (DHR #076-0001), Looking West from Location 1. The Existing Transmission Line is not Visible.

**STAGE I PRE-APPLICATION ANALYSIS FOR THE PROPOSED DOMINION ENERGY VIRGINIA LINE #183
REBUILD PROJECT, FAQUIER AND PRINCE WILLIAM COUNTIES, VIRGINIA**



Figure 4 View from Bel Air (DHR #076-0001), Looking North from Location 1. The Existing Transmission Line is not Visible.

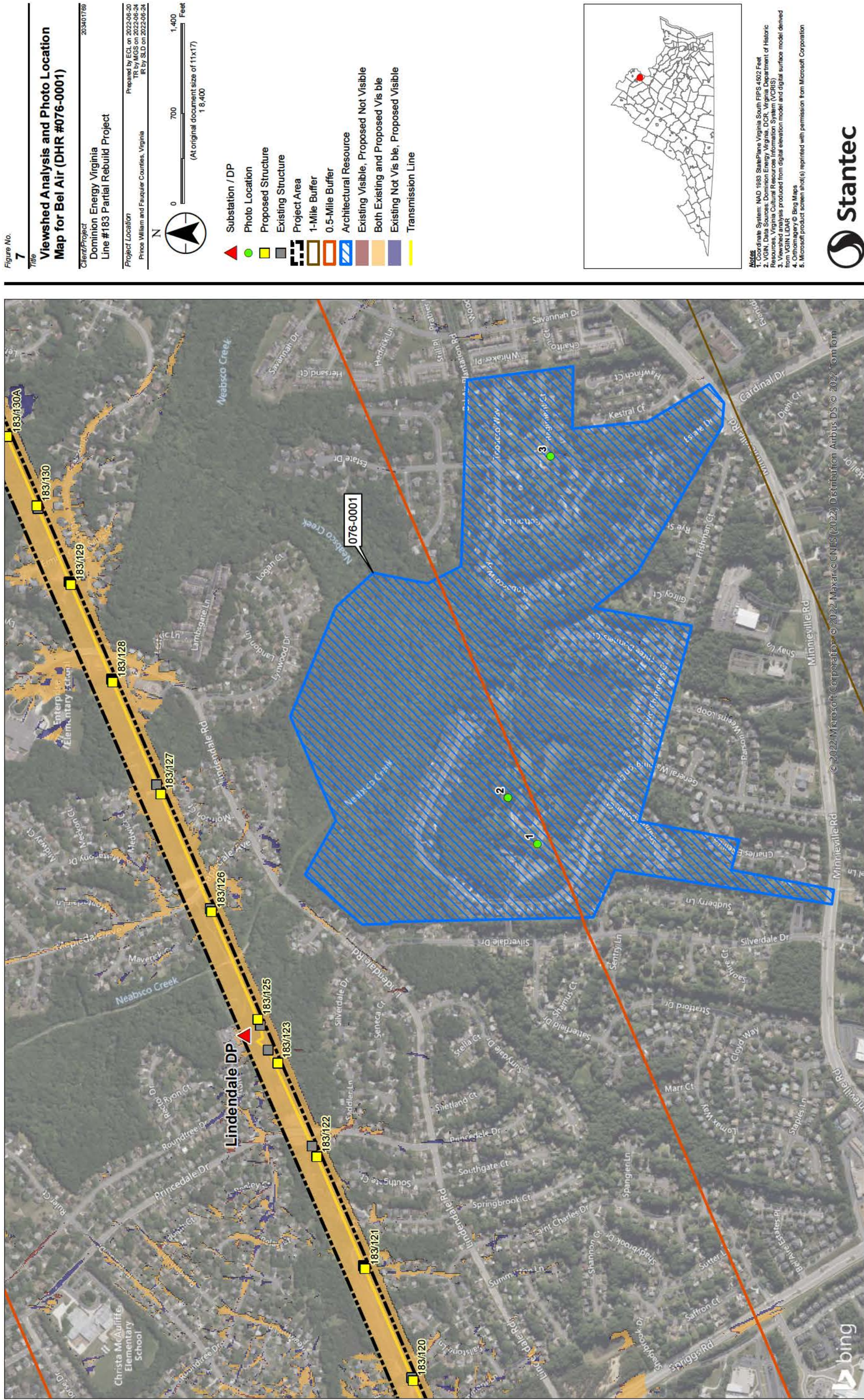


Figure 5 View from Bel Air (DHR #076-0001), Looking North from Location 2. The Existing Transmission Line is not Visible.

**STAGE I PRE-APPLICATION ANALYSIS FOR THE PROPOSED DOMINION ENERGY VIRGINIA LINE #183
REBUILD PROJECT, FAQUIER AND PRINCE WILLIAM COUNTIES, VIRGINIA**



Figure 6 View from Bel Air (DHR #076-0001), Looking North from Location 3. The Existing Transmission Line is Visible.



**STAGE I PRE-APPLICATION ANALYSIS FOR THE PROPOSED DOMINION ENERGY VIRGINIA LINE #183
REBUILD PROJECT, FAQUIER AND PRINCE WILLIAM COUNTIES, VIRGINIA**

3.2.2 Effingham Plantation (DHR #076-0006)

The dwelling of Effingham Plantation was constructed around 1777 and is a two-story, five-bay Georgian-style frame structure on a raised brick-constructed foundation. According to the photograph included with the NRHP nomination, paired exterior end brick chimneys with corbelled caps and pent closets are located off the gable ends. The exterior is clad in weatherboards. Fenestration comprises nine-over-nine wood sashes on the first floor, six-over-six wood sashes on the second, and a central entry with five-light transom (Figure 8). According to online photographs of the property, which is now the Effingham Manor Winery, the dwelling features a two-story, five-bay porch with balustrade. The previous survey noted a number of outbuildings on the property including a pool and pool house, blacksmith shop, cemetery, barn, slave quarters, tenant house, smokehouse, wellhouse, shed, and terraced garden. Though no dates are given for the secondary resources in V-CRIS, some are likely contemporary to or built shortly after the house. Three hundred and thirty acres of the 687-acre property were listed on the NRHP in 1989 at a local level under Criteria B and C with a Period of Significance of 1777–1814 (DHR Site Files; Frazier 1988; Effingham Manor 2022).



Figure 8 View of Effingham Plantation (DHR #076-0006), Looking Southeast.

3.2.2.1 Visual Effect Assessment

Effingham Plantation is located within 1.0 mile of the Rebuild Project centerline with the closest Rebuild Project structure approximately 3,998 feet to the southeast (Appendix B). The house, now winery, and outbuildings are located within a gently rolling landscape with large trees located in the immediate vicinity of the former house. Modern residential development is located to the northwest, west, southwest, and south and was added post-2000. According to Prince William County tax records, the land was originally part of the Effingham Plantation. To the southeast is a large expanse of fields with approximately 3,188 feet of woods between the fields and the transmission line corridor with approximately 3,500 feet of

STAGE I PRE-APPLICATION ANALYSIS FOR THE PROPOSED DOMINION ENERGY VIRGINIA LINE #183 REBUILD PROJECT, FAQUIER AND PRINCE WILLIAM COUNTIES, VIRGINIA

woods beyond the field to the east. Under current conditions, existing structures in the vicinity of the resource (Structure #183/51 through #183/62) have heights ranging from approximately 47 to 74 feet. Two of the structures were visible from several locations on the property based on the field survey but are part of the existing 500 kV transmission line adjacent to the Project Rebuild (Figures 9 and 10).

Based upon preliminary design, the proposed replacement structures in the section of the transmission line closest to the resource will have heights ranging from approximately 90 to 120 feet with a maximum increase of 62 feet (Structure #183/58) above the height of the existing structures. The proposed structures (Structure #183/54 and #183/55) in the vicinity of the two visible 500 kV structures, which are currently visible, will have a height of 100 and 120 feet and will increase by approximately 49 and 53 feet in height, respectively. Viewshed modeling and the photosimulations indicate that the proposed structures would be visible just above the existing tree line from the resource from the southern-most corner of the property (Figure 11; Appendix C; OP 5). However, due to the distance to the line, even with the increase in height, it is anticipated that the viewshed will not significantly change as a result of the proposed Rebuild Project. Based on the fieldwork, the proposed structure height, photosimulation, and the viewshed modeling, *it is anticipated that the Rebuild Project would have a Minimal Visual Impact on Effingham Plantation (DHR #076-0006).*



Figure 9 View from Effingham Plantation (DHR #076-0006), Looking Southeast from Location 4. The Visible Transmission Line is not Part of the Current Project.

**STAGE I PRE-APPLICATION ANALYSIS FOR THE PROPOSED DOMINION ENERGY VIRGINIA LINE #183
REBUILD PROJECT, FAQUIER AND PRINCE WILLIAM COUNTIES, VIRGINIA**



Figure 10 View from Effingham Plantation (DHR #076-0006), Looking Southeast from Location 5. Visible Transmission Line is not Part of the Current Project.

Figure No.

11

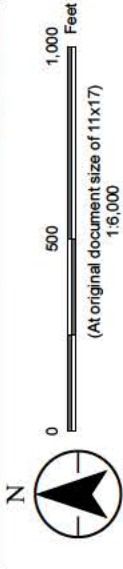
Title

**Viewshed Analysis and Photo Location
Map for Effingham Plantation (DHR
#076-0006)**

203401769

Client/Project
Dominion Energy Virginia
Line #183 Partial Rebuild Project

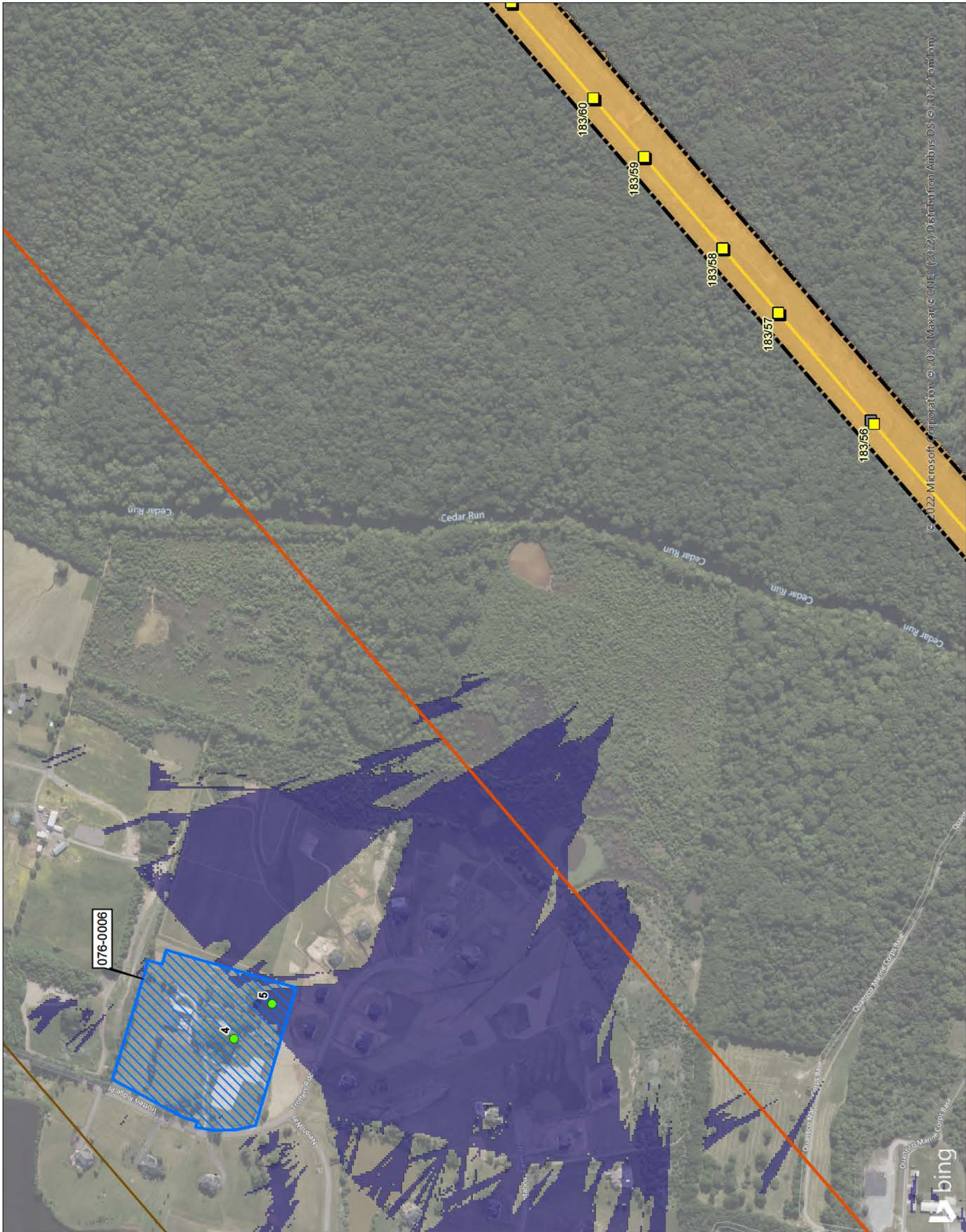
Project Location
Prince William and Fauquier Counties, Virginia
Prepared by ECI on 2022-06-20
TR by MGS on 2022-06-24
IR by SLD on 2022-06-24



- Photo Location
- Proposed Structure
- Existing Structure
- Project Area
- 1-Mile Buffer
- 0.5-Mile Buffer
- Architectural Resource
- Both Existing and Proposed Vis ble
- Existing Not Vis ble, Proposed Visible
- Transmission Line



Notes
1. Coordinate System: NAD 1983 StatePlane Virginia South FIPS 4502 Feet
2. VGIN Data Sources: Dominion Energy Virginia, DCR, Virginia Department of Historic Resources, Virginia Cultural Resources Information System (VCRIS)
3. Viewshed analysis produced from digital elevation model and digital surface model derived from VGIN LIDAR
4. Orthomagey © Bing Maps
5. Microsoft product screen shot(s) reprinted with permission from Microsoft Corporation



**STAGE I PRE-APPLICATION ANALYSIS FOR THE PROPOSED DOMINION ENERGY VIRGINIA LINE #183
REBUILD PROJECT, FAQUIER AND PRINCE WILLIAM COUNTIES, VIRGINIA**

3.3 HISTORIC DISTRICTS CONSIDERED

Two NRHP-listed historic districts, the Bristersburg Historic District (DHR #030-5161) and Chopawamsic Recreational Demonstration Area/Prince William Forest Park Historic District (DHR #076-0299) and one NRHP-eligible historic district, the Elk Run Rural Historic District (DHR #137-0050), are located within 1.0 mile of the Rebuild Project centerline and were therefore considered for visual effects per DHR guidelines. The resources are further described below along with a discussion and recommendation of potential effects as a result of the project.

3.3.1 Bristersburg Historic District (DHR #030-5161)

The Bristersburg Historic District comprises approximately 17 acres along Elk Run Road/Route 806 extending east from Bristersburg Road/Route 616. It encompasses the small village and dates to around 1838 (Figure 12). The district contains a school (now dwelling), church, five dwellings, and four commercial buildings, which were vacant at the time of the 2008 survey. Architectural styles within the district include vernacular, Queen Anne, and late nineteenth and early twentieth century revival designs. The historic district was listed on the NRHP in 2009 at a local level under Criteria A and C with 19 contributing and seven non-contributing buildings (DHR Site Files; Kalbian and Peters 2008).



Figure 12 View of Bristersburg Historic District (DHR #030-5161), Looking Southeast.

**STAGE I PRE-APPLICATION ANALYSIS FOR THE PROPOSED DOMINION ENERGY VIRGINIA LINE #183
REBUILD PROJECT, FAQUIER AND PRINCE WILLIAM COUNTIES, VIRGINIA**

3.3.1.1 Visual Effect Assessment

The Bristersburg Historic District is located within 1.0 mile of the Line #183 Partial Rebuild Project centerline with the closest Rebuild Project structure approximately 4,487 feet to the east (Appendix B). The district is within a relatively level landscape with several tree lines and large expanses of open fields. Under current conditions, the existing transmission line structures in the vicinity of the resource (Structures #183/13 and #183/14), are approximately 53 to 62 feet in height and are not visible (Figure 13).

Based upon preliminary design, both proposed replacement structures closest to the historic resource (Structures #183/13 and #183/14) will have heights of approximately 88 feet with an increase of 35 and 26 feet, respectively. Viewshed modeling and the photosimulations indicate that the proposed structures would not be visible from the resource (Figure 14; Appendix C; OP 7). Based on the fieldwork, the proposed structure height, photosimulation, and the viewshed modeling, ***it is anticipated that the Rebuild Project would have No Visual Impact on the Bristersburg Historic District (DHR #030-5161).***



Figure 13 View from Bristersburg Historic District (DHR #030-5161) and Elk Run Rural Historic District (DHR #030-5588) Looking East from Photo Location 6. The Existing Transmission Line is Not Visible.

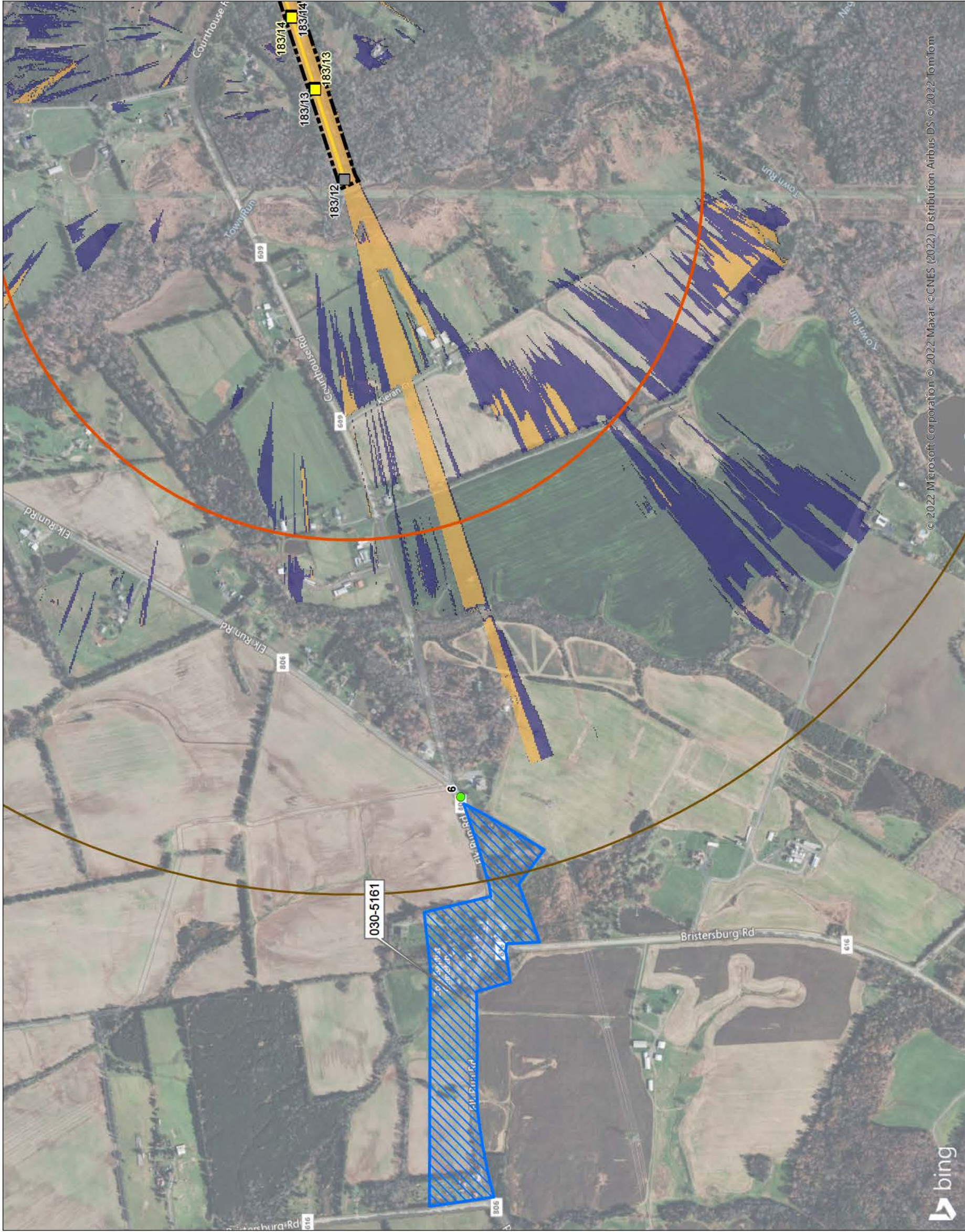
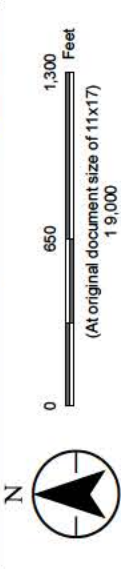


Figure No. 14
Title
Viewshed Analysis and Photo Location Map for Bristersburg Historic District (DHR #030-5161)
Client/Project
Dominion Energy Virginia
Line #183 Partial Rebuild Project
203401766

Project Location
Prince William and Fauquier Counties, Virginia
Prepared by ECL on 2022-06-20
TR by MGS on 2022-06-24
IR by SLD on 2022-06-24



- Photo Location
- Existing Structure
- Proposed Structure
- Project Area
- 1-Mile Buffer
- 0.5-Mile Buffer
- Architectural Resource
- Existing Visible, Proposed Not Visible
- Both Existing and Proposed Visible
- Existing Not Visible, Proposed Visible
- Transmission Line



Notes
1. Coordinate System: NAD 1983 StatePlane Virginia South FIPS 4502 Feet
2. VGIN Data Sources: Dominion Energy Virginia, DCR, Virginia Department of Historic Resources, Virginia Cultural Resources Information System (VCRIS)
3. Viewshed analysis produced from digital elevation model and digital surface model derived from VGIN LIDAR
4. Orthomageary © Bing Maps
5. Microsoft product screen shot(s) reprinted with permission from Microsoft Corporation



STAGE I PRE-APPLICATION ANALYSIS FOR THE PROPOSED DOMINION ENERGY VIRGINIA LINE #183 REBUILD PROJECT, FAQUIER AND PRINCE WILLIAM COUNTIES, VIRGINIA

3.3.2 Elk Run Rural Historic District (DHR #030-5588)

The Elk Run Rural Historic District comprises approximately 20,000 acres in the southeastern part of Fauquier County. Within the district are navigable waterways, crossroads communities, open fields, pastures, and woodlands. Transportation thoroughfares located within the district include the Shenandoah Path and Elk Run, Bristersburg, Courthouse, and Warrenton roads, among others. The area within the district, prior to European settlement, belonged to the Iroquois Nation. During the seventeenth and into the early eighteenth century this land was used for hunting and was part of the trade route network between Pennsylvania and North Carolina. Beginning in the late seventeenth century Europeans began to sparsely settle the area and by the mid-eighteenth-century commercial routes and small villages were established. Throughout the nineteenth and into the twentieth century, this area retained its rural nature and continues to preserve its intact agrarian landscape with a number of large late nineteenth to early twentieth century dairy farms contributing to the agricultural setting of the district. As an intact rural landscape, the historic district was determined eligible for listing on the NRHP in 2010, 2018, and 2020 under Criterion A (Agriculture, Exploration, Settlement, and Transportation), Criterion C (Architecture), and Criterion D (Archaeology/Potential to Yield Information) with a Period of Significance from around 1750 to 1960 (DHR Site Files).



Figure 15 View of Elk Run Rural Historic District (DHR #030-5588) Looking Northeast.

3.3.2.1 Visual Effect Assessment

The Elk Run Rural Historic District crosses and extends beyond 1.0 mile of the Line #183 Partial Rebuild Project centerline (Appendix B). The portion of the district within 1.0-mile of the centerline comprises a relatively level landscape with tree lines, wooded areas, and large expanses of open fields. Under current conditions, the existing transmission structures, which range in height from approximately 50 to 83 feet in the vicinity of the resource (Structures #183/13 through #183/29 and #183/1001 through #183/1001A),

STAGE I PRE-APPLICATION ANALYSIS FOR THE PROPOSED DOMINION ENERGY VIRGINIA LINE #183 REBUILD PROJECT, FAQUIER AND PRINCE WILLIAM COUNTIES, VIRGINIA

are visible from Photo Locations 14 and 24–26 (Figures 16, 18, and 19). The existing transmission line structures were not visible from Photo Location 16.

Based upon preliminary design, the proposed replacement structures within and closest to the resource (Structures #183/13 through #183/29, and #183/1001 through #183/1001A) will have heights ranging from approximately 70 to 115 feet with a maximum increase of 61 feet (Structure #183/29). Viewshed modeling indicates that the proposed structures would be visible from the resource at the points utilized during the fieldwork but also in additional locations throughout the district where the line was not previously visible, particularly along Sowego, Elk Run, Heddings, and Brent Town roads (Figure 6). The resource as a whole; however, is 20,000 acres with only approximately 2,119 acres within 1.0-mile of the Rebuild Project. The areas with the most visibility are the open agricultural areas along Brent Town and Hunter Roads in the vicinity of the existing DP. Areas within the district at the western end of Rebuild Project will also view the proposed project; however, most of the areas of visibility are currently wooded and it is anticipated that only the tops of the structures will be visible where they had not been before. The photosimulation, which utilized a point along Brent Town Road in the vicinity of the Sowego DP, provides an example of the maximum degree of change in the landscape within an open field as a result of the proposed Rebuild Project (Appendix C; OP 6). Based on the fieldwork, the proposed structure height, photosimulation, and the viewshed modeling, ***it is anticipated that the Rebuild Project would have a Minimal to Moderate Visual Impact on the Elk Run Rural Historic District (DHR #030-5588); however, additional viewshed analysis is recommended during the Stage II study to further evaluate the degree of visual impact on the resource by the proposed Rebuild Project.***

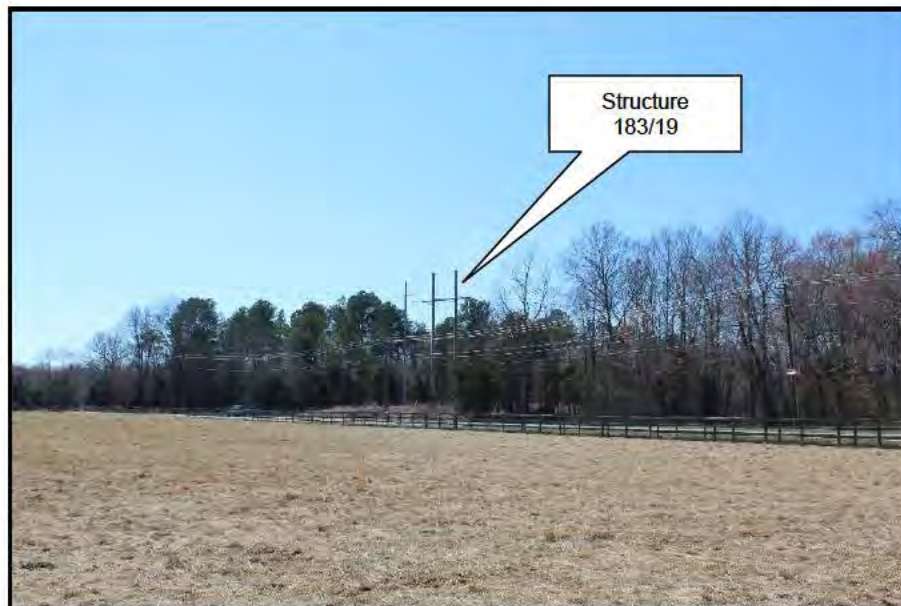


Figure 16 View from Elk Run Rural Historic District (DHR #030-5588) Looking Northeast from Photo Location 7. The Existing Transmission Line is Visible.

**STAGE I PRE-APPLICATION ANALYSIS FOR THE PROPOSED DOMINION ENERGY VIRGINIA LINE #183
REBUILD PROJECT, FAQUIER AND PRINCE WILLIAM COUNTIES, VIRGINIA**



Figure 17 View from Elk Run Rural Historic District (DHR #030-5588) Looking Northeast from Photo Location 6. The Existing Transmission Line is not Visible.



Figure 18 View from Elk Run Rural Historic District (DHR #030-5588) Looking East from Photo Location 8. The Existing Transmission Line is Visible.

**STAGE I PRE-APPLICATION ANALYSIS FOR THE PROPOSED DOMINION ENERGY VIRGINIA LINE #183
REBUILD PROJECT, FAQUIER AND PRINCE WILLIAM COUNTIES, VIRGINIA**



Figure 19 View from Elk Run Rural Historic District (DHR #030-5588) Looking Northwest from Photo Location 9. The Existing Transmission Line is Visible.

Figure No.

20

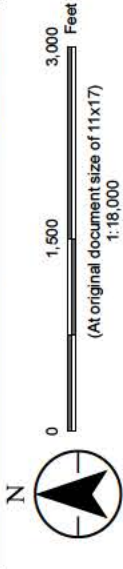
Title

**Viewshed Analysis and Photo Location
Map for Elk Run Rural Historic District
(DHR #030-5588)**

203401769

Client/Project
Dominion Energy Virginia
Line #183 Partial Rebuild Project

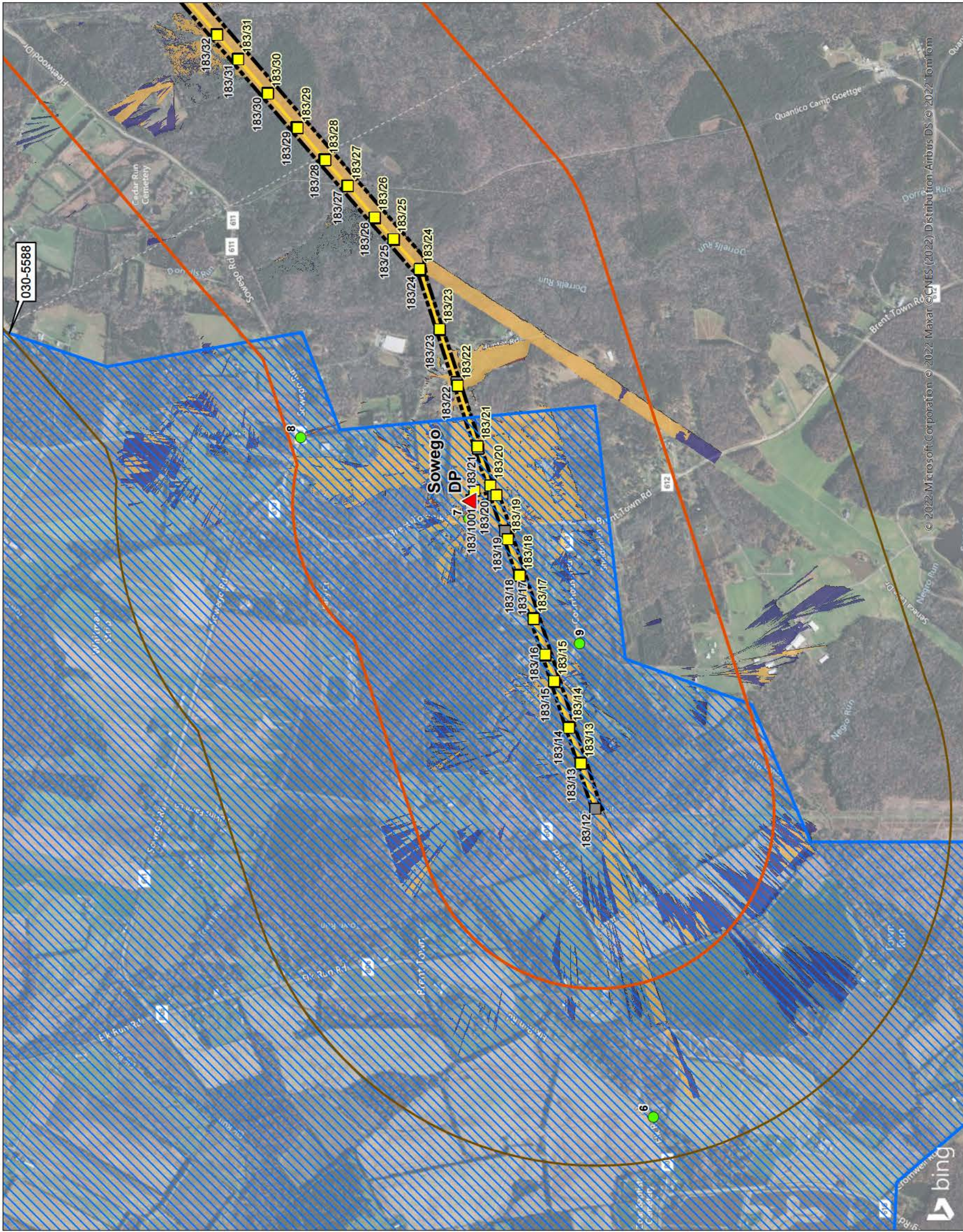
Project Location
Prince William and Fauquier Counties, Virginia
Prepared by ECI on 2022-06-20
TR by MGS on 2022-06-24
IR by SLD on 2022-06-24



- Substation / DP
- Photo Location
- Proposed Structure
- Existing Structure
- Project Area
- 1-Mile Buffer
- 0.5-Mile Buffer
- Architectural Resource
- Existing Visible, Proposed Not Visible
- Both Existing and Proposed Visible
- Existing Not Visible, Proposed Visible
- Transmission Line



Notes
1. Coordinate System: NAD 1983 StatePlane Virginia South FIPS 4502 Feet
2. VGIN Data Sources: Dominion Energy Virginia, DCR, Virginia Department of Historic Resources, Virginia Cultural Resources Information System (VCRIS)
3. Viewshed analysis produced from digital elevation model and digital surface model derived from VGIN LIDAR
4. Orthomosaic © Bing Maps
5. Microsoft product screen shot(s) reprinted with permission from Microsoft Corporation



STAGE I PRE-APPLICATION ANALYSIS FOR THE PROPOSED DOMINION ENERGY VIRGINIA LINE #183 REBUILD PROJECT, FAQUIER AND PRINCE WILLIAM COUNTIES, VIRGINIA

3.3.3 Chopawamsic Recreational Demonstration Area/Prince William Forest Park Historic District (DHR #076-0299)

The Chopawamsic Recreational Demonstration Area/Prince William Forest Park Historic District comprises approximately 15,000 acres of which approximately 10,875 are included within the NRHP boundary. In 1936, the area in which the park is situated was designated as a Recreational Demonstration Area and the land and buildings purchased from residents within its proposed boundary. The buildings were demolished, and the land converted to recreational purposes for inner city youth to experience nature and the healthy outdoors with the Civilian Conservation Corps (CCC) integral in the construction of cabins and a lake. The park continues to present its mid-1930s landscape and was listed on the NRHP in 2012 under Criterion A (Recreation/Entertainment, Ethnic Heritage/African American, Social History, Military, and Industrial History), under Criterion C (Architecture), and under Criterion D (Archaeology) with a Period of Significance between circa 3,800 BC to AD 1945 AD and contains 88 contributing and 163 non-contributing resources (DHR Site Files; Kuhn and Bedell 2011).



Figure 21 Chopawamsic Recreational Demonstration Area/Prince William Forest Park Historic District (DHR #076-0299), View Looking Southeast.

3.3.3.1 Visual Effect Assessment

Chopawamsic Recreational Demonstration Area/Prince William Forest Park Historic District is located within 1.0 mile of and crosses the Line #183 Partial Rebuild Project centerline (Appendix B). The portion of the district within 1.0 mile of the centerline comprises an undulating densely forested landscape (Figure 21). The park, however, is bordered by modern development to the northwest, north, and northeast in the northern section of the resource. Under current conditions, the existing transmission line structures, which range in height from approximately 60 to 129 feet within and in the vicinity of the resource (Structures #183/98 through #183/104), are visible where the line transverse the resource and crosses Joplin Road

STAGE I PRE-APPLICATION ANALYSIS FOR THE PROPOSED DOMINION ENERGY VIRGINIA LINE #183 REBUILD PROJECT, FAQUIER AND PRINCE WILLIAM COUNTIES, VIRGINIA

(Figure 22). Additionally, a second transmission line with 500 kV lattice structures is located within the transmission line corridor and is also visible. The existing line was not visible from Photo Location 11 due to the dense forest between the point of survey and the transmission line corridor (Figure 23).

Based upon preliminary design, the proposed replacement structures in the vicinity of the resource (Structures #183/98 through #183/104) will have heights ranging from approximately 75 to 145 feet with a maximum increase of 45 feet (Structure #183/100). The proposed structures will be close in height to the existing 500 kV line in the ROW. Viewshed modeling indicates that the proposed structures would be visible from the resource only within existing ROW in historic district (Figure 24). The photosimulation, utilizing the view to the east, also indicates that proposed Structures #183/100 through #183/104 would also be visible (Appendix C; OP 3), while the view to the west indicates that proposed Structures #183/99 and #183/98 will be visible. Based on the fieldwork, the proposed structure height, photosimulation, and the viewshed modeling, ***it is anticipated that the Rebuild Project would have a Minimum Visual Impact on the Chopawamsic Recreational Demonstration Area/Prince William Forest Park Historic District (DHR #076-0299).***

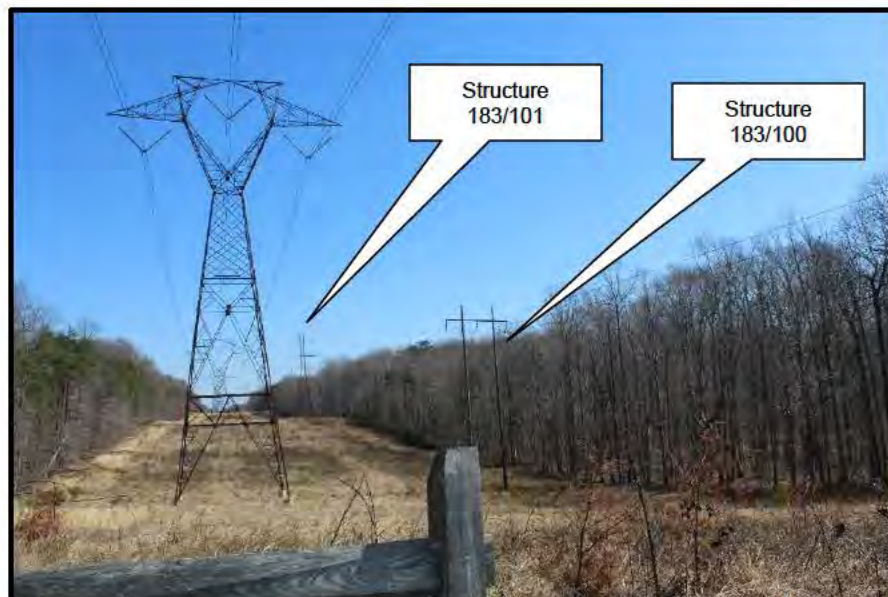


Figure 22 View from Chopawamsic Recreational Demonstration/Prince William Forest Park Historic District (DHR #076-0299) Looking East from Photo Location 10. The Existing Transmission Line is Visible.

**STAGE I PRE-APPLICATION ANALYSIS FOR THE PROPOSED DOMINION ENERGY VIRGINIA LINE #183
REBUILD PROJECT, FAQUIER AND PRINCE WILLIAM COUNTIES, VIRGINIA**



Figure 23 View from Chopawamsic Recreational Demonstration/Prince William Forest Park Historic District (DHR #076-0299) Looking North from Photo Location 11. The Existing Transmission Line is Not Visible.

STAGE I PRE-APPLICATION ANALYSIS FOR THE PROPOSED DOMINION ENERGY VIRGINIA LINE #183 REBUILD PROJECT, FAQUIER AND PRINCE WILLIAM COUNTIES, VIRGINIA

4.0 RECOMMENDATIONS AND CONCLUSIONS

4.1 OVERVIEW

Stantec was retained by Dominion Energy to conduct a Stage I Pre-Application Analysis for the proposed Line #183 Partial Rebuild Project in Fauquier and Prince William counties, Virginia. The project proposed by Dominion Energy is necessary in order to maintain the structural integrity and reliability of its transmission system and to comply with mandatory NERC Reliability Standards. The project will be conducted entirely within an existing ROW and consists of approximately 15.2 miles of existing 115 kV transmission line. The Rebuild Project will require the tear-down and replacement of 121 existing transmission structures and the addition of three new structures between Structure #183/12 north of the Bristers Substation in Fauquier County and Structure #183/134 near the Minnieville Delivery Point (DP) in Prince William County. The existing structures are predominantly single circuit 115 kV wood H-frame structures and double circuit 115 kV weathering steel (COR-TEN®) lattice towers. Dominion proposes to replace Structures #183/13 through #183/23 with 230 kV single circuit weathering steel H-frames, and to replace Structures #183/24 through #183/133 primarily with 230 kV double circuit weathering steel monopoles, which will have a set of three vacant davit arms available for future load growth. Structures #183/12 and #183/134 will remain and Structure #183/124 will be removed and not replaced. This rebuild of the 15.2-mile segment of Dominion's 115 kV Line #183 is inclusive of a 0.11-mile single circuit 115 kV tap circuit, which feeds the Sowego DP owned by NOVEC and will be rebuilt with two 230 kV single circuit weathering steel 3-pole structures.

4.1.1 Recommendations - Architectural Resources

No NHL architectural resources were located within a 1.5-mile radius of the Rebuild Project centerline. Two NRHP-listed resources and two NRHP-listed historic districts were located within 1.0 mile and one NRHP-eligible historic district was identified within 0.5 mile of the centerline. Two of the resources cross the corridor; the Elk Run Rural Historic District (DHR #030-5588) and the Chopawamsic Recreational Demonstration Area/Prince William Forest Park Historic District (DHR #076-0299). Table 6 details the recommendations for the project.

Based on preliminary proposed structure heights, the proposed Bristers to Minnieville Rebuild Project would increase the average height of the structures by 40 feet with a maximum height increase of 67 feet. Based on the analysis of the proposed structures, it is recommended that the rebuild would have No Visual Impact to the Bristersburg Historic District (DHR #030-5161) and Bel Air (DHR #076-0001) and a Minimal Visual Impact to Effingham Plantation (DHR #076-0006) and the Chopawamsic Recreational Demonstration Area/Prince William Forest Park Historic District (DHR #076-0299). The project is recommended as having a Minimal to Moderate Impact on the Elk Run Rural Historic District (DHR #030-5588); however, additional viewshed analysis is recommended during the Stage II study to further evaluate the degree of visual impact on the resource by the proposed Rebuild Project.

STAGE I PRE-APPLICATION ANALYSIS FOR THE PROPOSED DOMINION ENERGY VIRGINIA LINE #183 REBUILD PROJECT, FAQUIER AND PRINCE WILLIAM COUNTIES, VIRGINIA

Table 5 Previously Recorded Architectural Resources Considered under the Stage I Pre-Application Guidelines

DHR #	Resource Name	DHR/NRHP Status	Distance to Closest Raised Structure (Feet)	Impacts
030-5161	Bristersburg Historic District	NRHP-Listed	4,487	None
030-5588	Elk Run Rural Historic District	NRHP-Eligible	0	Minimal to Moderate
076-0001	Bel Air, 14513 General Washington Drive	NRHP-Listed	782	None*
076-0006	Effingham Plantation, 14050 Aden Road	NRHP-Listed	3,998	Minimal
076-0299	Chopawamsic Recreational Demonstration Area/Prince William Forest Park Historic District	NRHP-Listed	0	Minimal

*Note: The impacts recommendation is based on the current tax parcel boundary of the resource and not the current V-CRIS boundary which is obsolete.

4.1.2 Recommendations - Archaeological Resources

Four previously recorded archaeological resources were identified within the Rebuild Project ROW. Three of the resources, Sites 44FQ0284, 44PW0915, and 44PW1837, are late nineteenth to early twentieth century farmsteads. Two of the three sites have been determined not eligible for listing on the NRHP by DHR. Site 44PW0915 is currently not evaluated. The fourth site, a nineteenth century mill (44PW0962) was determined eligible by DHR. ***It is recommended that archaeological site located within the ROW be investigated and evaluated as appropriate during future investigations*** (Appendix D; Table 7).

Table 6 Previously Recorded Archaeological Resources Considered under the Stage I Pre-Application Guidelines

DHR #	Resource Name	VDHR/NRHP Status	Distance to ROW (Feet)	Impact
44FQ0284	Late 19 th to Early 20 th Century Farmstead	Not Eligible	0	Investigate During Archaeological Survey
44PW0915	Late 19 th to Early 20 th Century Farmstead	Not Evaluated	0	Investigate During Archaeological Survey
44PW0962	19 th Century Mill	Eligible	0	Investigate During Archaeological Survey
44PW1837	Late 19 th to Early 20 th Century Farmstead	Not Eligible	0	Investigate During Archaeological Survey

STAGE I PRE-APPLICATION ANALYSIS FOR THE PROPOSED DOMINION ENERGY VIRGINIA LINE #183
REBUILD PROJECT, FAQUIER AND PRINCE WILLIAM COUNTIES, VIRGINIA

5.0 REFERENCES

Advisory Council for Historic Preservation (ACHP)

2000 36 *CFR 800: Part 800- Protection of Historic and Cultural Properties*. Federal Register, September 2, Washington, D.C.

Bel Air 1740

2021 "Bel Air Weddings & Events," Available at: <https://belair1740.com/>, Accessed 1 March 2022.

Effingham Manor

2022 "The Manor," Available at: <https://www.effinghammanor.com/manor.htm>, Accessed 1 March 2022.

Frazier, William T.

1988 "Effingham," National Register of Historic Places Nomination Form, Available at: https://www.dhr.virginia.gov/wp-content/uploads/2018/04/076-0006_Effingham_1989-Final_NR_Nomination.pdf, Accessed 1 March 2022.

Kalbian, Maral and Margaret T. Peters

2008 "Bristersburg Historic District" National Register of Historic Places Nomination Form, Available at: https://www.dhr.virginia.gov/wp-content/uploads/2018/04/030-5161_Bristersburg_HD_2009_FINAL.pdf, Accessed 1 March 2022.

Kuhn, Patti and John Bedell

2011 "Prince William Forest Park Historic District" National Register of Historic Places Nomination Form, Available at: https://www.dhr.virginia.gov/wp-content/uploads/2018/04/076-0299_Prince_William_Forest_Park_HD_2012_nomination_FINAL.pdf, Accessed 2 March 2022.

United States Department of the Interior (Interagency Resources Division)

1981 *Department of the Interior's Regulations, 36 CFR Part 60: National Register of Historic Places*. Interagency Resources Division, National Park Service, U.S. Department of the Interior, Washington, D.C.

1983 *Department of the Interior, Archaeology and Historic Preservation: Secretary of the Interior's Standards and Guidelines*. Interagency Resources Division, National Park Service, U.S. Department of the Interior, Washington, D.C.

1991 How to Apply the National Register Criteria of Evaluation. *National Register Bulletin 15*. Interagency Resources Division, National Park Service, U.S. Department of the Interior, Washington, D.C.

**STAGE I PRE-APPLICATION ANALYSIS FOR THE PROPOSED DOMINION ENERGY VIRGINIA LINE #183
REBUILD PROJECT, FAQUIER AND PRINCE WILLIAM COUNTIES, VIRGINIA**

Virginia Department of Historic Resources (DHR)

1997 *Historic Context Guidelines for Preparing Cultural Resource Survey Reports*. DHR, Richmond.

2008 *Guidelines for Assessing Impacts of Proposed Electric Transmission Lines and Associated Facilities on Historic Resources in the Commonwealth of Virginia*. DHR, Richmond.

2017 *Guidelines for Historic Resources Survey in Virginia*. DHR, Richmond.

2022 DHR Archive Files.

Virginia Historic Landmarks Commission

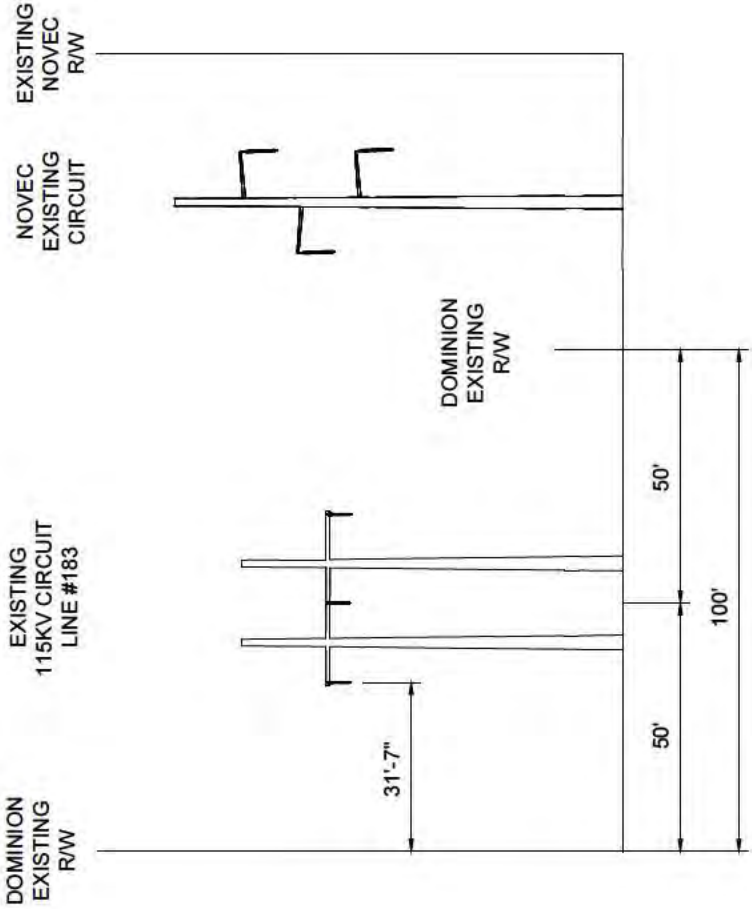
1969 "Bel Air" National Register of Historic Places Nomination Form, Available at:
https://www.dhr.virginia.gov/wp-content/uploads/2018/04/076-0001_Bel_Air_1970_Final_Nomination.pdf, Accessed 1 March 2022.

**STAGE I PRE-APPLICATION ANALYSIS FOR THE PROPOSED DOMINION ENERGY VIRGINIA LINE #183
REBUILD PROJECT, FAQUIER AND PRINCE WILLIAM COUNTIES, VIRGINIA**

Appendix A

A.1 STRUCTURE DETAILS

SECTION 1: EXISTING



Dominion Energy
10900 Nuckols Road
Glen Allen, VA 23060

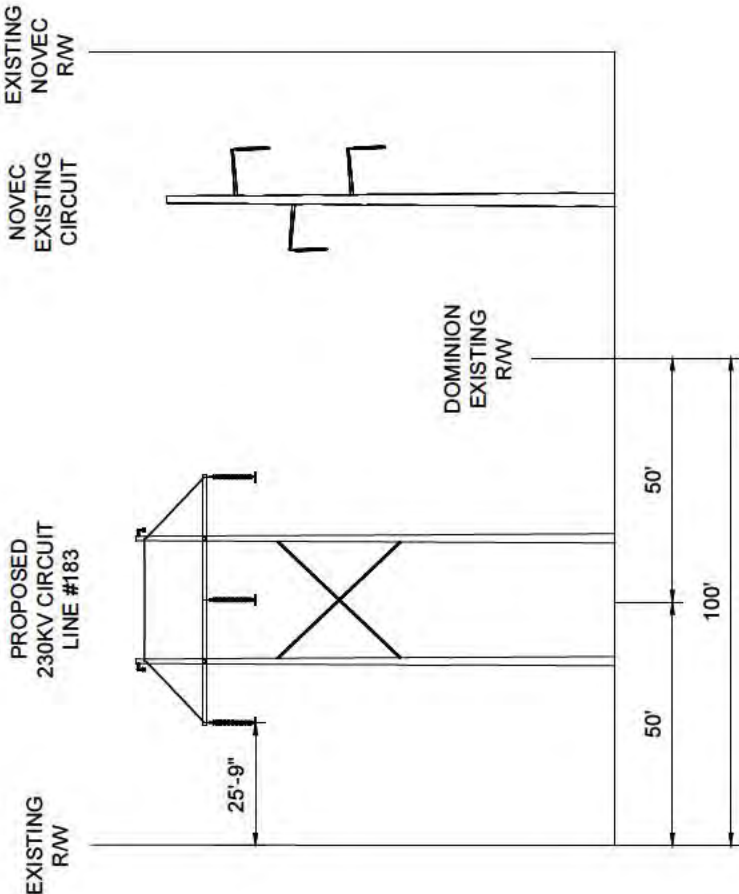
STR. 183/13-183/20

TYPICAL RIGHT OF WAY LOOKING
TOWARDS MINNIEVILLE SUBSTATION

DRAWING NO.		REV.		REV.		REV.	
DRAWN	MLG						
CHECKED							
APPROVED							
DATE							

Attachment 2.1.1
Page 47 of 96
II.A.5.a

SECTION 1: PROPOSED (TYPE 1)



NOTE: INFORMATION CONTAINED ON DRAWING IS CONSIDERED PRELIMINARY IN NATURE AND SUBJECT TO CHANGE BASED ON FINAL DESIGN.



Dominion Energy
10900 Nuckols Road
Glen Allen, VA 23060

STR. 183/13-183/20

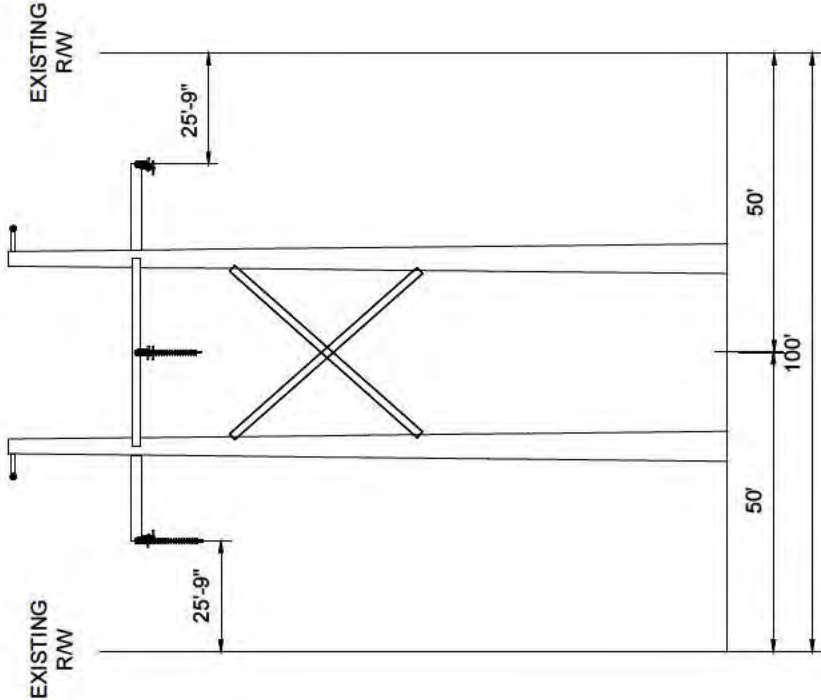
TYPICAL RIGHT OF WAY LOOKING
TOWARDS MINNIEVILLE SUBSTATION

DRAWING NO.		REV.		REV.	
DRAWN	MLG				
CHECKED					
APPROVED					
DATE					

Attachment 2.1.1
Page 48 of 96
ATTACHMENT
II.A.5.b

SECTION 1: PROPOSED (TYPE 2)

PROPOSED
230KV CIRCUIT
LINE #183



NOTE: INFORMATION CONTAINED ON DRAWING IS CONSIDERED PRELIMINARY
IN NATURE AND SUBJECT TO CHANGE BASED ON FINAL DESIGN.



Dominion Energy
10900 Nuckols Road
Glen Allen, VA 23060

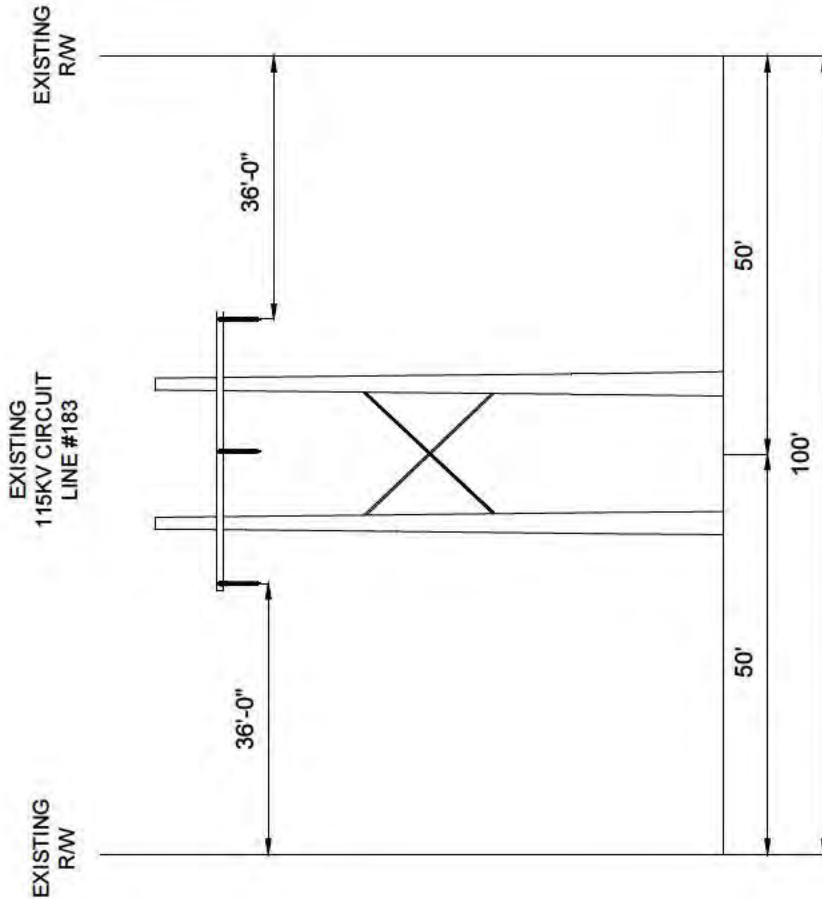
STR. 183/13-183/20

TYPICAL RIGHT OF WAY LOOKING
TOWARDS MINNIEVILLE SUBSTATION

DRAWING NO.		REV.		REV.	
DRAWN	MLG				
CHECKED					
APPROVED					
DATE					

Attachment 2.1.1
Page 49 of 96
ATTACHMENT
II.A.5.c

SECTION 2: EXISTING



Dominion Energy
10900 Nuckols Road
Glen Allen, VA 23060

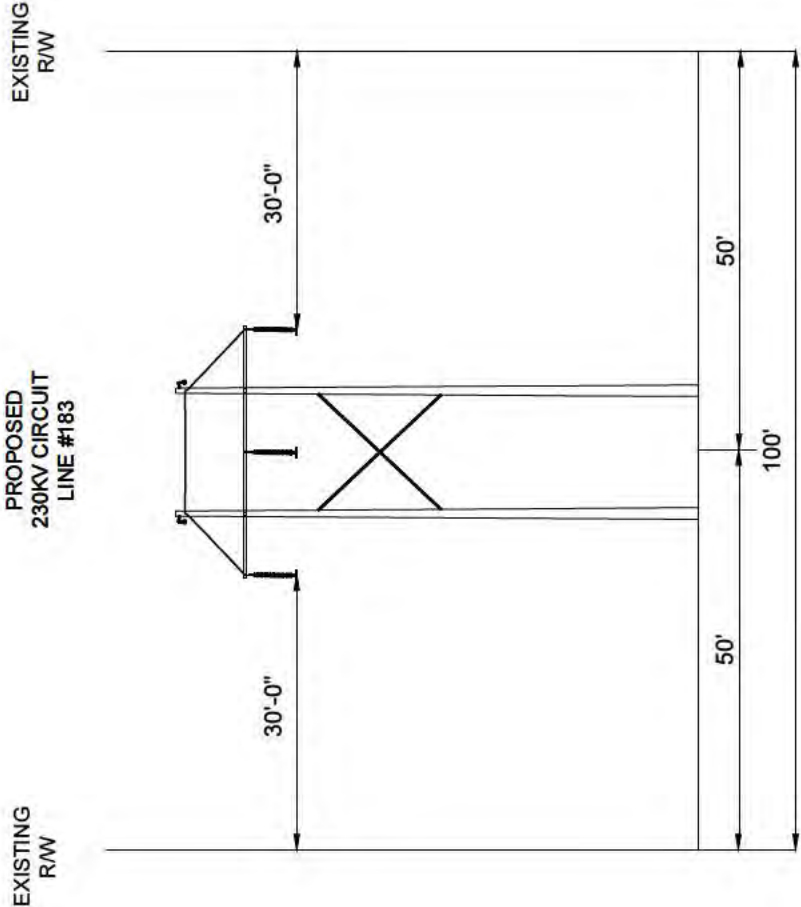
STR. 183/21-183/23

TYPICAL RIGHT OF WAY LOOKING
TOWARDS MINNIEVILLE SUBSTATION

DRAWING NO.		REV.		REV.		REV.	
DRAWN	MLG						
CHECKED							
APPROVED							
DATE							

Attachment 2.1.1
Page 50 of 96
ATTACHMENT
II.A.5.d

SECTION 2: PROPOSED



NOTE: INFORMATION CONTAINED ON DRAWING IS CONSIDERED PRELIMINARY IN NATURE AND SUBJECT TO CHANGE BASED ON FINAL DESIGN.



Dominion Energy
10900 Nuckols Road
Glen Allen, VA 23060

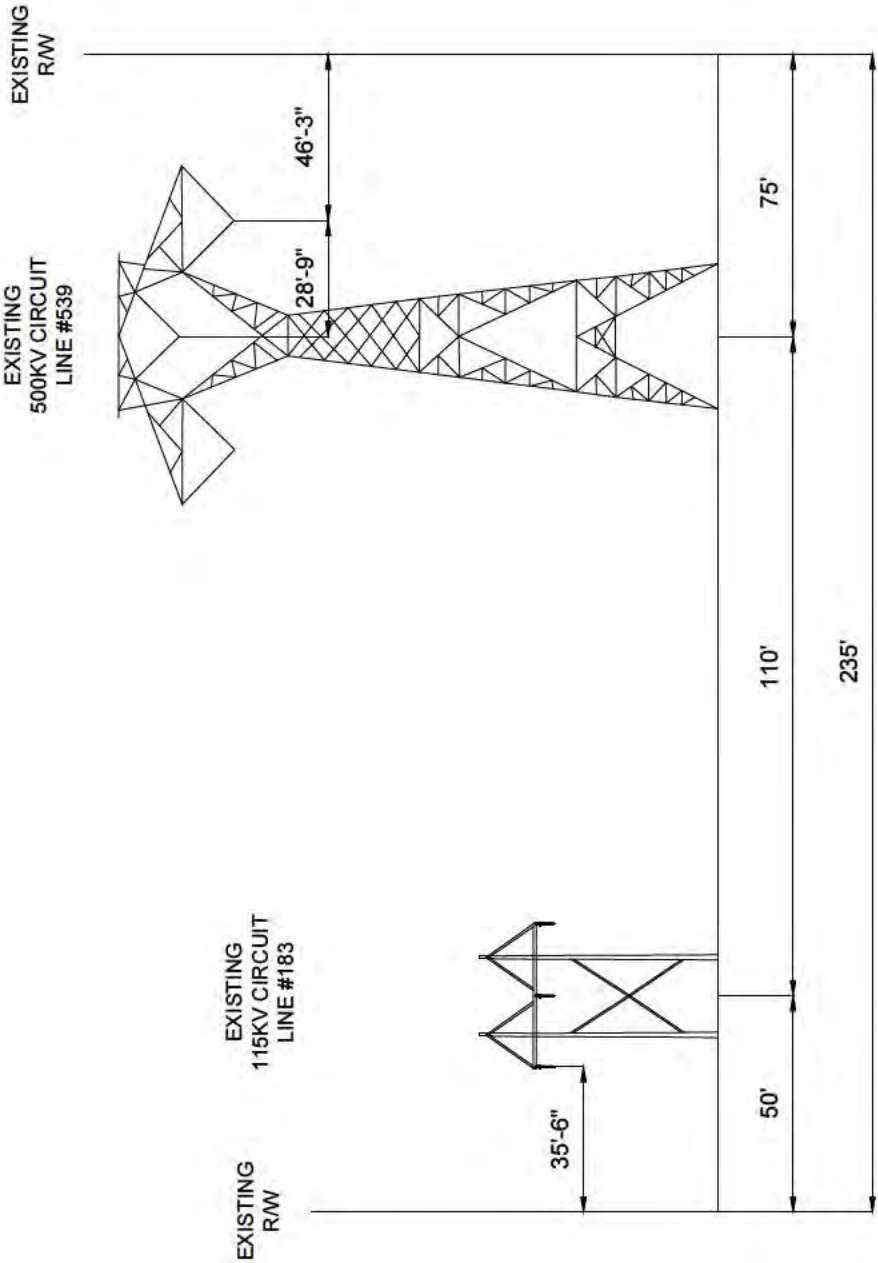
STR. 183/21-183/23

TYPICAL RIGHT OF WAY LOOKING
TOWARDS MINNIEVILLE SUBSTATION

DRAWING NO.		REV.		REV.	
DRAWN	MLG				
CHECKED					
APPROVED					
DATE					

Attachment 2.1.1
Page 51 of 96
II.A.5.e

SECTION 3: EXISTING



Dominion Energy
10900 Nuckols Road
Glen Allen, VA 23060

STR. 183/24-183/98

TYPICAL RIGHT OF WAY LOOKING
TOWARDS MINNIEVILLE SUBSTATION

DRAWING NO.		REV.		REV.		REV.	
DRAWN	MLG						
CHECKED							
APPROVED							
DATE							

Attachment 2.1.1
Page 52 of 96

II.A.5.f

EXISTING 500KV CIRCUIT LINE #539

EXISTING R/W

46'-3"

28'-9"

75'

110'

235'

50'

36'-9"

PROPOSED 230KV CIRCUIT LINE #183

EXISTING R/W

NOTE: INFORMATION CONTAINED ON DRAWING IS CONSIDERED PRELIMINARY IN NATURE AND SUBJECT TO CHANGE BASED ON FINAL DESIGN.



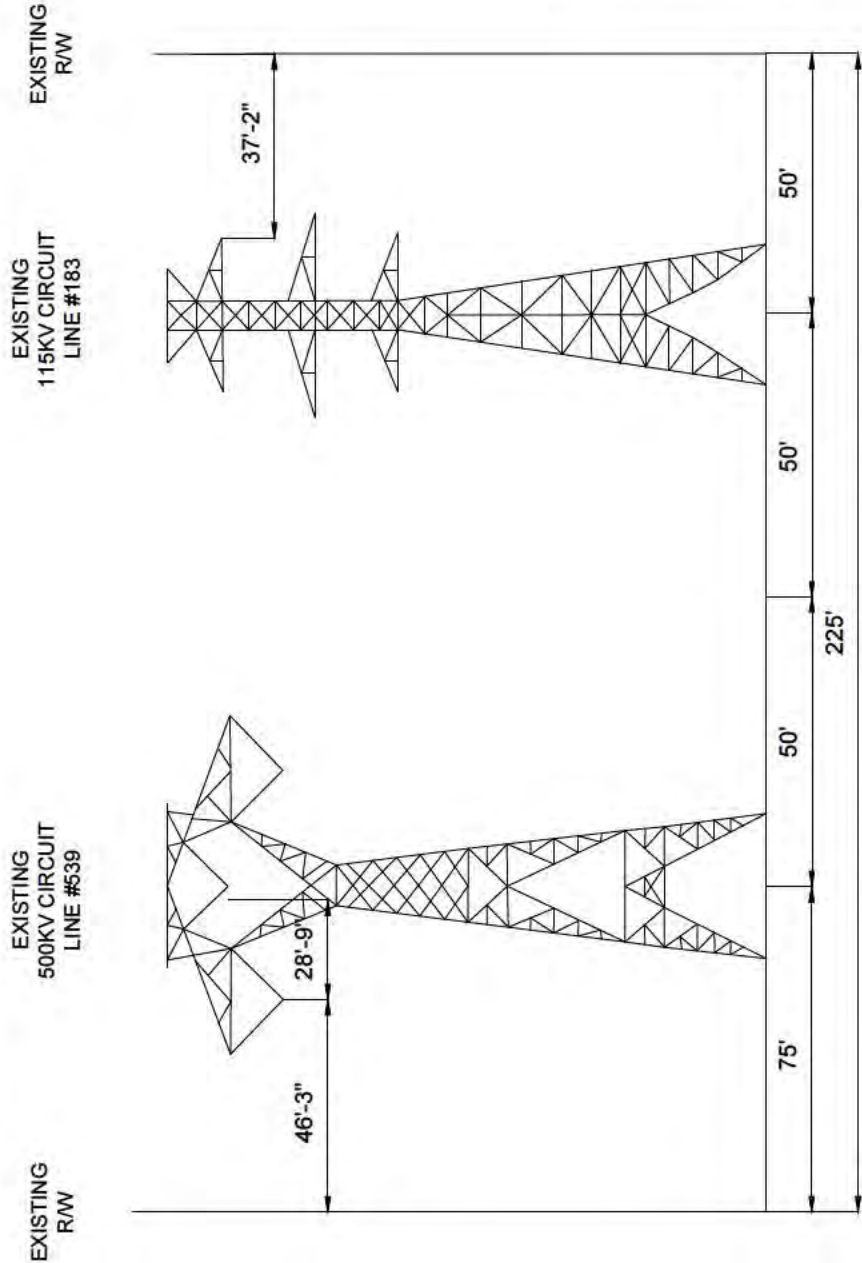
STRUCTURE 183/24 - 183/98
TYPICAL RIGHT OF WAY LOOKING
TOWARDS MINNIEVILLE SUBSTATION

DRAWING NO.		REV.		REV.		REV.	
DRAWN	MLG						
CHECKED							
APPROVED							
DATE							

Attachment 2.1.1
Page 53 of 95

ATTACHMENT
II.A.5.g

SECTION 4: EXISTING





Dominion Energy
 10900 Nuckols Road
 Glen Allen, VA 23060

STRUCTURE 183/99-183/134

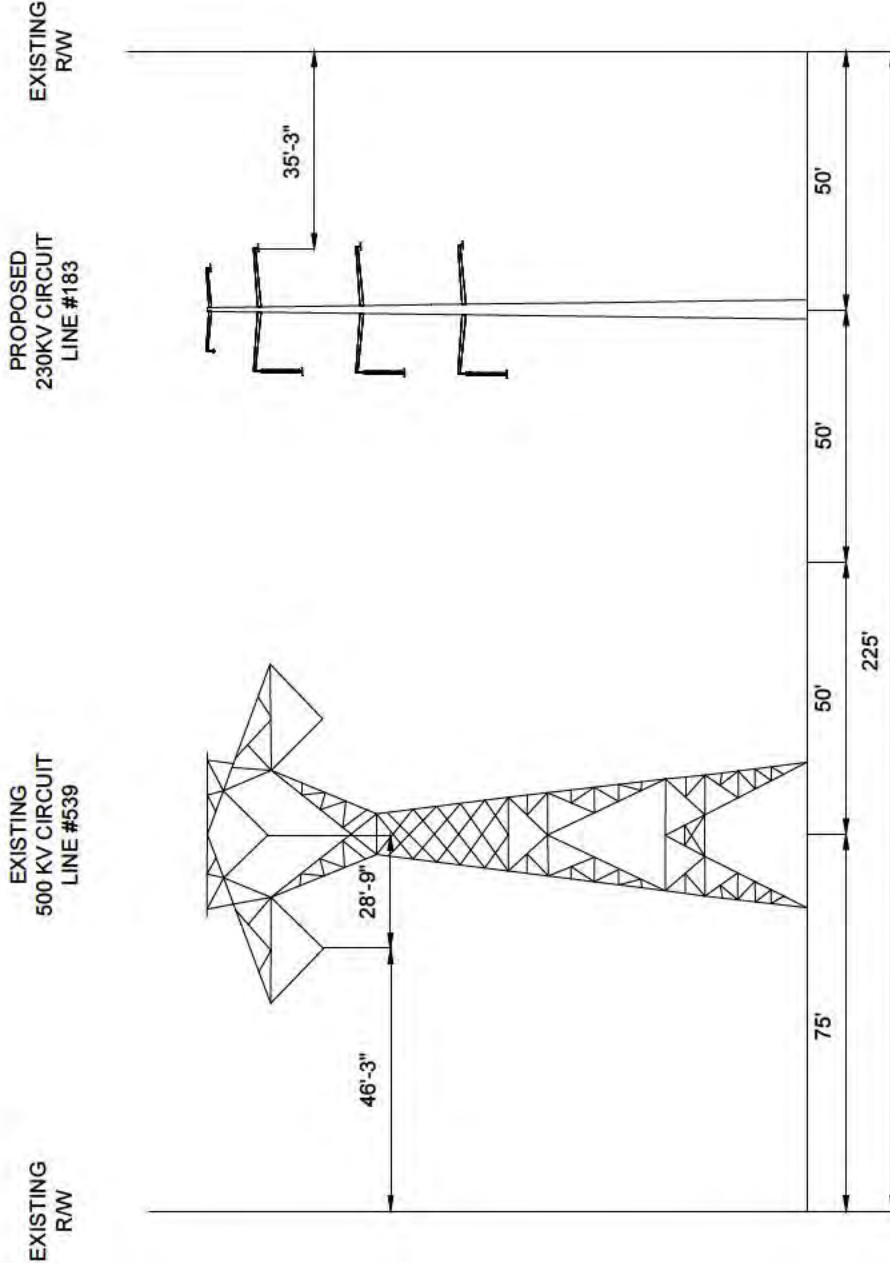
TYPICAL RIGHT OF WAY LOOKING TOWARDS MINNIEVILLE SUBSTATION

DRAWING NO.	
ORIG.	REV.
MLG	

ATTACHMENT	
II.A.5.h	

Attachment 2.1.1
 Page 54 of 96

SECTION 4: PROPOSED



NOTE: INFORMATION CONTAINED ON DRAWING IS CONSIDERED PRELIMINARY IN NATURE AND SUBJECT TO CHANGE BASED ON FINAL DESIGN.



Dominion Energy
10900 Nuckols Road
Glen Allen, VA 23060

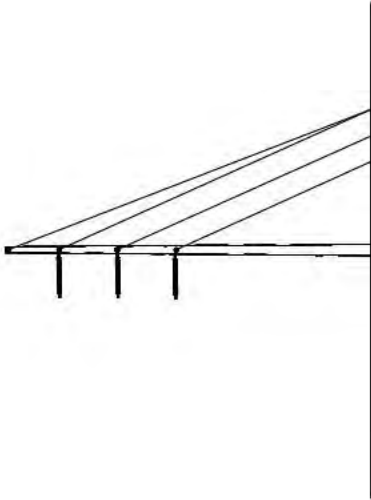
STRUCTURE 183/99-183/134
TYPICAL RIGHT OF WAY LOOKING
TOWARDS MINNIEVILLE SUBSTATION

DRAWING NO.		REV.		REV.		REV.	
DRAWN	MLG						
CHECKED							
APPROVED							
DATE							

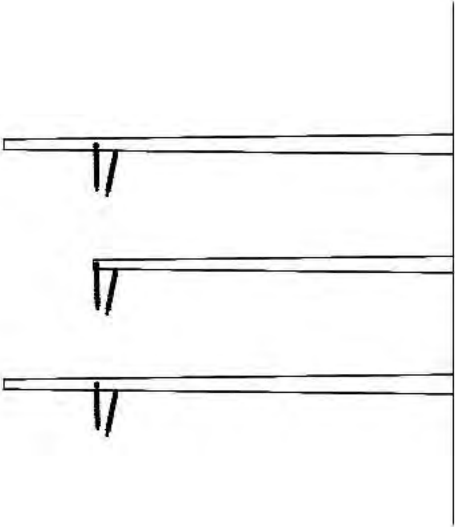
ATTACHMENT
II.A.5.i

SOWEGO SUBSTATION PROPERTY

EXISTING
115KV CIRCUIT
LINE #183



PROPOSED
230KV CIRCUIT
LINE #183



NOTE: INFORMATION CONTAINED ON DRAWING IS CONSIDERED PRELIMINARY
IN NATURE AND SUBJECT TO CHANGE BASED ON FINAL DESIGN.



Dominion Energy
10900 Nuckols Road
Glen Allen, VA 23060

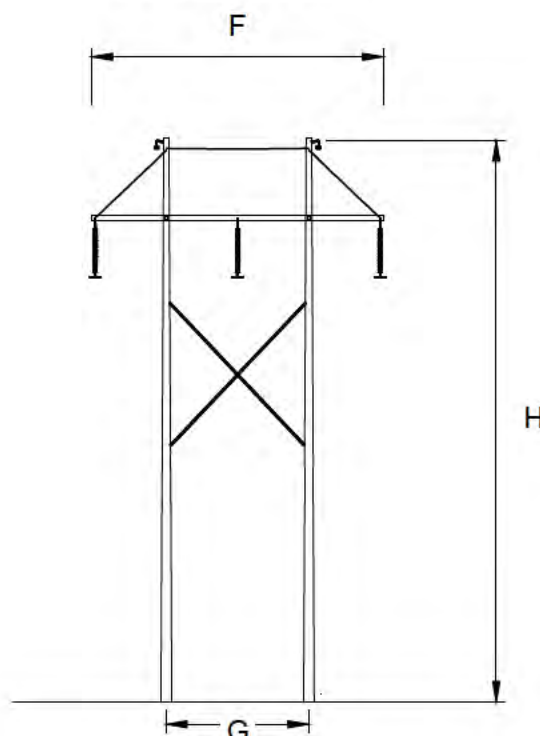
STR. 183/1000-183/1001
TYPICAL RIGHT OF WAY LOOKING
TOWARDS MINNIEVILLE SUBSTATION

DRAWING NO.		REV.		REV.		REV.	
DRAWN	MLG						
CHECKED							
APPROVED							
DATE							

Attachment 2.I.1
Page 56 of 96
ATTACHMENT
II.A.5.j

Attachment II.B.3.a

SECTION 1



SINGLE CIRCUIT SUSPENSION H-FRAME WITH CROSSBRACE

B. RATIONALE FOR STRUCTURE TYPE:	STRUCTURES ARE TO ACCOMMODATE LINE 183 AND FUTURE PLANNING
C. LENGTH OF RW (STRUCTURE QUANTITY):	1.00 MILES (6 STRUCTURES)
D. STRUCTURE MATERIAL:	WEATHERING STEEL POLES AND GALVANIZED STEEL CROSSBRACES/CROSSARMS WEATHERING STEEL WAS SELECTED TO CLOSELY MATCH THE EXISTING WOOD POLE STRUCTURES
E. FOUNDATION MATERIAL:	DIRECT EMBED
AVERAGE FOUNDATION REVEAL:	N/A
F. AVERAGE WIDTH AT CROSSARM:	42'
G. AVERAGE WIDTH AT BASE:	6'-8" DIAMETER FOUNDATION (SEE NOTE 1)
H. MINIMUM STRUCTURE HEIGHT:	100'
MAXIMUM STRUCTURE HEIGHT:	120'
AVERAGE STRUCTURE HEIGHT:	114'
I. AVERAGE SPAN LENGTH:	726'
J. MINIMUM CONDUCTOR-TO-GROUND:	22.5' (AT MAXIMUM OPERATING TEMPERATURE)

NOTES

1. INFORMATION ON DRAWING IS PRELIMINARY AND SUBJECT TO CHANGE DURING FINAL ENGINEERING
2. INDIVIDUAL POLE HEIGHTS ABOVE GROUND MAY VARY SUBJECT TO FINAL LOCATION AND TERRAIN
3. STRUCTURE HEIGHTS ARE MEASURED FROM STRUCTURE CENTERLINE

Electric Transmission



Dominion Energy
10900 Nuckols Road
Glen Allen, VA 23060

SECTION 1:
STRUCTURES
183/13-183/20

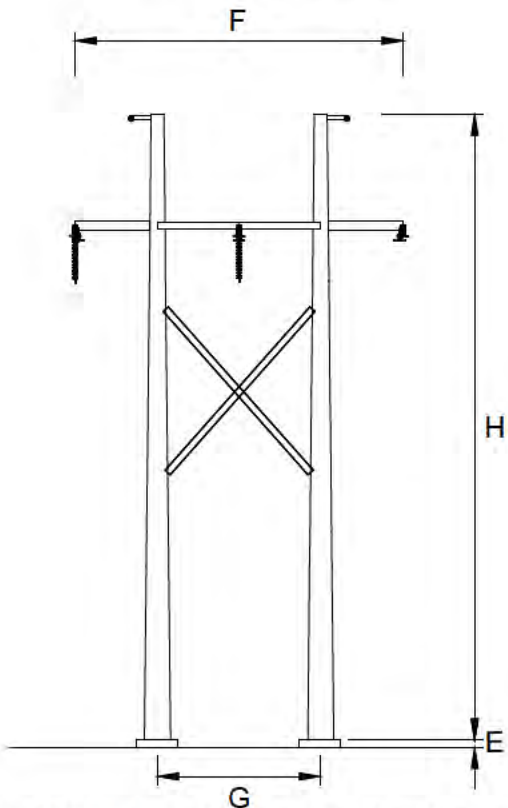
DRAWING NO.

Attachment II.B.3.a

DRAWN MLG

SECTION 1

Attachment II.B.3.b



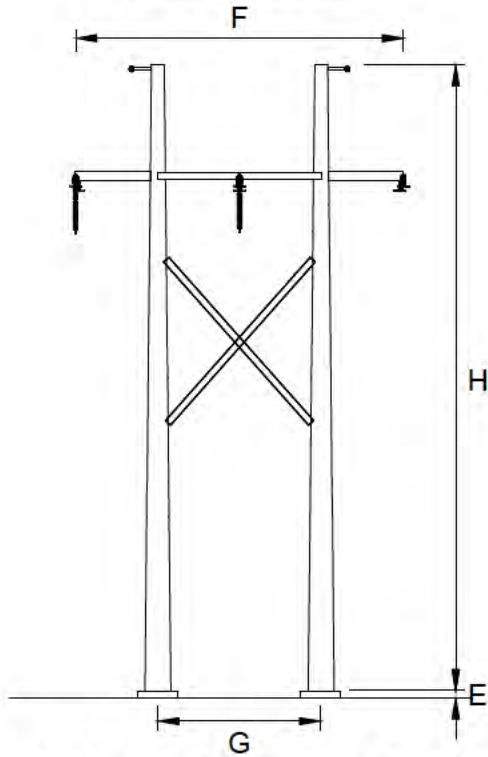
SINGLE CIRCUIT H-FRAME DOUBLE DEAD-END STRUCTURE

B. RATIONALE FOR STRUCTURE TYPE:	STRUCTURES ARE TO ACCOMMODATE LINE 183 AND FUTURE PLANNING
C. LENGTH OF R/W (STRUCTURE QUANTITY):	1.00 MILES (2 STRUCTURES)
D. STRUCTURE MATERIAL:	WEATHERING STEEL WEATHERING STEEL WAS SELECTED TO MATCH THE EXISTING WOOD POLE STRUCTURES
E. FOUNDATION MATERIAL:	CONCRETE
AVERAGE FOUNDATION REVEAL:	SEE NOTE 4
F. AVERAGE WIDTH AT CROSSARM:	48.5'
G. AVERAGE WIDTH AT BASE:	23.5' (SEE NOTE 1)
H. MINIMUM STRUCTURE HEIGHT:	110'
MAXIMUM STRUCTURE HEIGHT:	110'
AVERAGE STRUCTURE HEIGHT:	110'
I. AVERAGE SPAN LENGTH:	633'
J. MINIMUM CONDUCTOR-TO-GROUND:	22.5' (AT MAXIMUM OPERATING TEMPERATURE)

- NOTES**
1. INFORMATION ON DRAWING IS PRELIMINARY AND SUBJECT TO CHANGE DURING FINAL ENGINEERING
 2. INDIVIDUAL POLE HEIGHTS ABOVE GROUND MAY VARY SUBJECT TO FINAL LOCATION AND TERRAIN
 3. STRUCTURE HEIGHTS ARE MEASURED FROM STRUCTURE CENTERLINE
 4. MINIMUM FOUNDATION REVEAL SHALL BE 1.5', MAX REVEAL SUBJECT TO FINAL LOCATION AND TERRAIN

Electric Transmission	SECTION 1: STRUCTURES 183/13-183/20	DRAWING NO. Attachment II.B.3.b
 Dominion Energy 10900 Nuckols Road Glen Allen, VA 23060		DRAWN MLG

SECTION 2



SINGLE CIRCUIT H-FRAME DOUBLE DEAD-END STRUCTURE

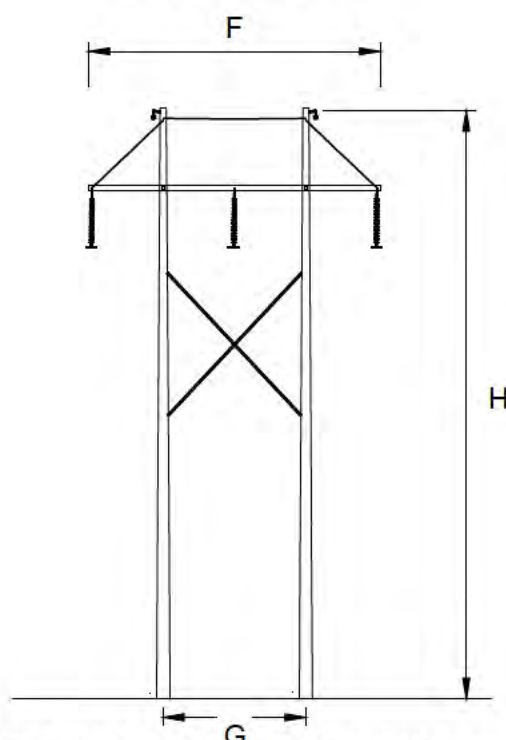
B. RATIONALE FOR STRUCTURE TYPE:	STRUCTURES ARE TO ACCOMMODATE LINE 183 AND FUTURE PLANNING
C. LENGTH OF R/W (STRUCTURE QUANTITY):	0.70 MILES (1 STRUCTURE)
D. STRUCTURE MATERIAL:	WEATHERING STEEL
RATIONALE FOR STRUCTURE MATERIAL:	WEATHERING STEEL WAS SELECTED TO MATCH THE EXISTING WOOD POLE STRUCTURES
E. FOUNDATION MATERIAL:	CONCRETE
AVERAGE FOUNDATION REVEAL:	SEE NOTE 4
F. AVERAGE WIDTH AT CROSSARM:	48.5'
G. AVERAGE WIDTH AT BASE:	23.5'
H. MINIMUM STRUCTURE HEIGHT:	90'
MAXIMUM STRUCTURE HEIGHT:	90'
AVERAGE STRUCTURE HEIGHT:	90'
I. AVERAGE SPAN LENGTH:	848'
J. MINIMUM CONDUCTOR-TO-GROUND:	22.5' (AT MAXIMUM OPERATING TEMPERATURE)

NOTES	1. INFORMATION ON DRAWING IS PRELIMINARY AND SUBJECT TO CHANGE DURING FINAL ENGINEERING
	2. INDIVIDUAL POLE HEIGHTS ABOVE GROUND MAY VARY SUBJECT TO FINAL LOCATION AND TERRAIN
	3. STRUCTURE HEIGHTS ARE MEASURED FROM STRUCTURE CENTERLINE
	4. MINIMUM FOUNDATION REVEAL SHALL BE 1.5', MAX REVEAL SUBJECT TO FINAL LOCATION AND TERRAIN

Electric Transmission	SECTION 2: STRUCTURES 183/21-183/23	DRAWING NO. Attachment II.B.3.c
 Dominion Energy 10900 Nuckols Road Glen Allen, VA 23060		DRAWN MLG

SECTION 2

Attachment II.B.3.d



SINGLE CIRCUIT SUSPENSION H-FRAME WITH CROSSBRACE

B. RATIONALE FOR STRUCTURE TYPE:	STRUCTURES ARE TO ACCOMMODATE LINE 183 AND FUTURE PLANNING
C. LENGTH OF R/W (STRUCTURE QUANTITY):	0.70 MILES (2 STRUCTURES)
D. STRUCTURE MATERIAL:	WEATHERING STEEL
RATIONALE FOR STRUCTURE MATERIAL:	WEATHERING STEEL WAS SELECTED TO MATCH THE EXISTING WOOD POLE STRUCTURES
E. FOUNDATION MATERIAL:	DIRECT BURIED
AVERAGE FOUNDATION REVEAL:	N/A
F. AVERAGE WIDTH AT CROSSARM:	42'
G. AVERAGE WIDTH AT BASE:	22'
H. MINIMUM STRUCTURE HEIGHT:	84'
MAXIMUM STRUCTURE HEIGHT:	88'
AVERAGE STRUCTURE HEIGHT:	86'
I. AVERAGE SPAN LENGTH:	915'
J. MINIMUM CONDUCTOR-TO-GROUND:	22.5' (AT MAXIMUM OPERATING TEMPERATURE)

NOTES

1. INFORMATION ON DRAWING IS PRELIMINARY AND SUBJECT TO CHANGE DURING FINAL ENGINEERING
2. INDIVIDUAL POLE HEIGHTS ABOVE GROUND MAY VARY SUBJECT TO FINAL LOCATION AND TERRAIN
3. STRUCTURE HEIGHTS ARE MEASURED FROM STRUCTURE CENTERLINE

Electric Transmission



Dominion Energy
10900 Nuckols Road
Glen Allen, VA 23060

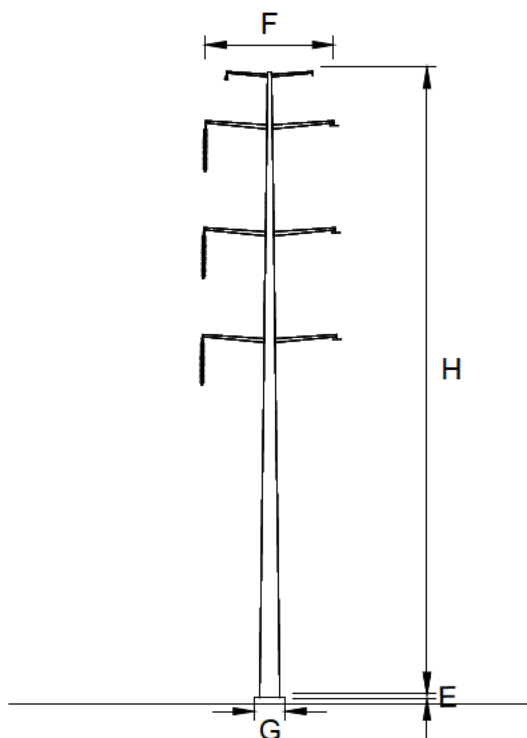
SECTION 2:
STRUCTURES
183/21-183/23

DRAWING NO.
Attachment II.B.3.d

DRAWN MLG

SECTION 3

Attachment II.B.3.e



DOUBLE CIRCUIT SUSPENSION MONOPOLE STRUCTURE

B. RATIONALE FOR STRUCTURE TYPE:	STRUCTURES ARE TO ACCOMMODATE LINE 183 AND FUTURE PLANNING
C. LENGTH OF R/W (STRUCTURE QUANTITY):	8.20 MILES (59 STRUCTURES)
D. STRUCTURE MATERIAL:	WEATHERING STEEL
RATIONALE FOR STRUCTURE MATERIAL:	WEATHERING STEEL WAS SELECTED TO MATCH THE EXISTING WOOD POLE STRUCTURES
E. FOUNDATION MATERIAL:	CONCRETE
AVERAGE FOUNDATION REVEAL:	SEE NOTE 4
F. AVERAGE WIDTH AT CROSSARM:	26.5'
G. AVERAGE WIDTH AT BASE:	6'-8" DIAMETER FOUNDATION (SEE NOTE 1)
H. MINIMUM STRUCTURE HEIGHT:	100'
MAXIMUM STRUCTURE HEIGHT:	125'
AVERAGE STRUCTURE HEIGHT:	108'
I. AVERAGE SPAN LENGTH:	772'
J. MINIMUM CONDUCTOR-TO-GROUND:	22.5' (AT MAXIMUM OPERATING TEMPERATURE)

NOTES	1. INFORMATION ON DRAWING IS PRELIMINARY AND SUBJECT TO CHANGE DURING FINAL ENGINEERING
	2. INDIVIDUAL POLE HEIGHTS ABOVE GROUND MAY VARY SUBJECT TO FINAL LOCATION AND TERRAIN
	3. STRUCTURE HEIGHTS ARE MEASURED FROM STRUCTURE CENTERLINE
	4. MINIMUM FOUNDATION REVEAL SHALL BE 1.5', MAX REVEAL SUBJECT TO FINAL LOCATION AND TERRAIN

Electric Transmission

SECTION 3:
STRUCTURES
183/24-183/98

DRAWING NO.

Attachment II.B.3.e

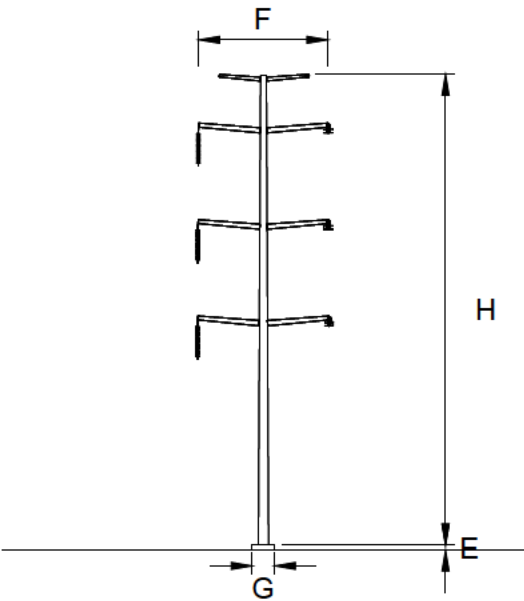


Dominion Energy
10900 Nuckols Road
Glen Allen, VA 23060

DRAWN MLG

SECTION 3

Attachment II.B.3.f



DOUBLE CIRCUIT DOUBLE DEAD-END MONOPOLE STRUCTURE

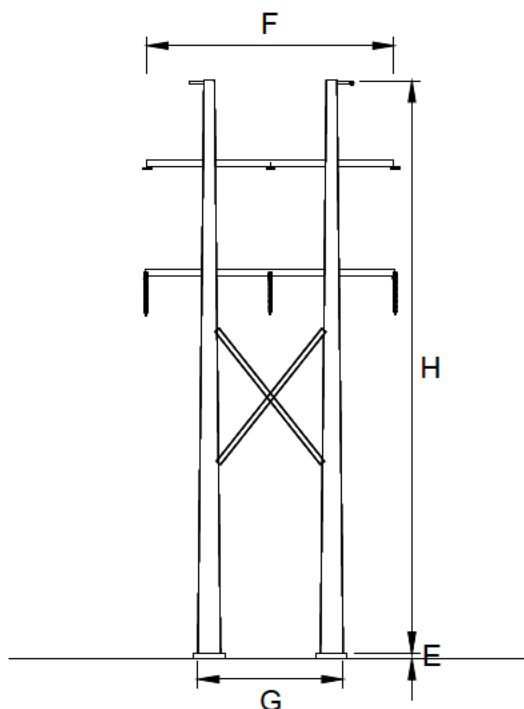
B. RATIONALE FOR STRUCTURE TYPE:	STRUCTURES ARE TO ACCOMMODATE LINE 183 AND FUTURE PLANNING
C. LENGTH OF R/W (STRUCTURE QUANTITY):	8.20 MILES (12 STRUCTURES)
D. STRUCTURE MATERIAL:	WEATHERING STEEL
RATIONALE FOR STRUCTURE MATERIAL:	WEATHERING STEEL WAS SELECTED TO MATCH THE EXISTING WOOD POLE STRUCTURES
E. FOUNDATION MATERIAL:	CONCRETE
AVERAGE FOUNDATION REVEAL:	SEE NOTE 4
F. AVERAGE WIDTH AT CROSSARM:	27'
G. AVERAGE WIDTH AT BASE:	6' - 9' DIAMETER FOUNDATION (SEE NOTE 1)
H. MINIMUM STRUCTURE HEIGHT:	90'
MAXIMUM STRUCTURE HEIGHT:	120'
AVERAGE STRUCTURE HEIGHT:	103'
I. AVERAGE SPAN LENGTH:	570'
J. MINIMUM CONDUCTOR-TO-GROUND:	22.5' (AT MAXIMUM OPERATING TEMPERATURE)

NOTES	1. INFORMATION ON DRAWING IS PRELIMINARY AND SUBJECT TO CHANGE DURING FINAL ENGINEERING
	2. INDIVIDUAL POLE HEIGHTS ABOVE GROUND MAY VARY SUBJECT TO FINAL LOCATION AND TERRAIN
	3. STRUCTURE HEIGHTS ARE MEASURED FROM STRUCTURE CENTERLINE
	4. MINIMUM FOUNDATION REVEAL SHALL BE 1.5', MAX REVEAL SUBJECT TO FINAL LOCATION AND TERRAIN

Electric Transmission	SECTION 3: STRUCTURES 183/24-183/98	DRAWING NO. Attachment II.B.3.f
 Dominion Energy 10900 Nuckols Road Glen Allen, VA 23060		DRAWN MLG

Attachment II.B.3.g

SECTION 3



DOUBLE CIRCUIT H-FRAME DOUBLE DEAD-END STRUCTURE

B. RATIONALE FOR STRUCTURE TYPE:	STRUCTURES ARE TO ACCOMMODATE LINE 183 AND FUTURE PLANNING
C. LENGTH OF R/W (STRUCTURE QUANTITY):	8.20 MILES (3 STRUCTURES)
D. STRUCTURE MATERIAL:	WEATHERING STEEL
RATIONALE FOR STRUCTURE MATERIAL:	WEATHERING STEEL WAS SELECTED TO MATCH THE EXISTING WOOD POLE STRUCTURES
E. FOUNDATION MATERIAL:	CONCRETE
AVERAGE FOUNDATION REVEAL:	SEE NOTE 4
F. AVERAGE WIDTH AT CROSSARM:	48.5'
G. AVERAGE WIDTH AT BASE:	23.5' (SEE NOTE 1)
H. MINIMUM STRUCTURE HEIGHT:	80'
MAXIMUM STRUCTURE HEIGHT:	125'
AVERAGE STRUCTURE HEIGHT:	110'
I. AVERAGE SPAN LENGTH:	407'
J. MINIMUM CONDUCTOR-TO-GROUND:	22.5' (AT MAXIMUM OPERATING TEMPERATURE)

NOTES

1. INFORMATION ON DRAWING IS PRELIMINARY AND SUBJECT TO CHANGE DURING FINAL ENGINEERING
2. INDIVIDUAL POLE HEIGHTS ABOVE GROUND MAY VARY SUBJECT TO FINAL LOCATION AND TERRAIN
3. STRUCTURE HEIGHTS ARE MEASURED FROM STRUCTURE CENTERLINE
4. MINIMUM FOUNDATION REVEAL SHALL BE 1.5', MAX REVEAL SUBJECT TO FINAL LOCATION AND TERRAIN

Electric Transmission



Dominion Energy
10900 Nuckols Road
Glen Allen, VA 23060

SECTION 3:
STRUCTURES
183/24-183/98

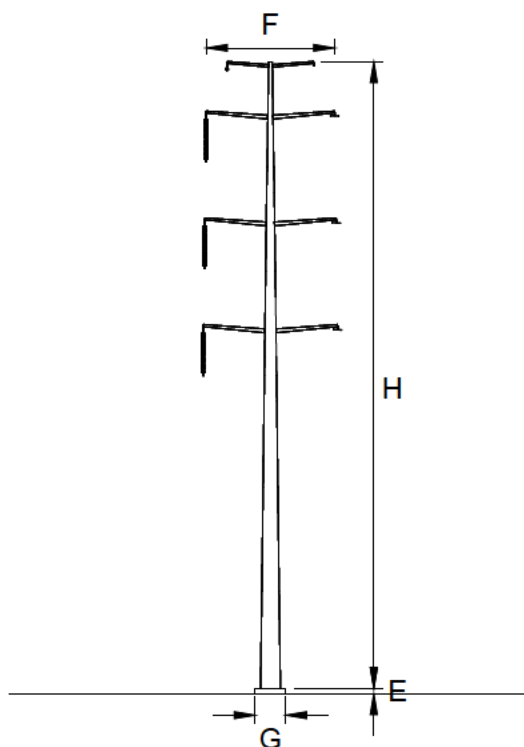
DRAWING NO.

Attachment II.B.3.g

DRAWN MLG

SECTION 4

Attachment II.B.3.h



DOUBLE CIRCUIT SUSPENSION MONOPOLE STRUCTURE

B. RATIONALE FOR STRUCTURE TYPE:	STRUCTURES ARE TO ACCOMMODATE LINE 183 AND FUTURE PLANNING
C. LENGTH OF R/W (STRUCTURE QUANTITY):	5.30 MILES (27 STRUCTURES)
D. STRUCTURE MATERIAL:	WEATHERED STEEL
RATIONALE FOR STRUCTURE MATERIAL:	WEATHERED STEEL WAS SELECTED TO MATCH THE EXISTING WEATHERING STEEL LATTICE TOWER STRUCTURES
E. FOUNDATION MATERIAL:	CONCRETE
AVERAGE FOUNDATION REVEAL:	SEE NOTE 4
F. AVERAGE WIDTH AT CROSSARM:	26.5'
G. AVERAGE WIDTH AT BASE:	6' -8' FOUNDATION DIAMETER (SEE NOTE 1)
H. MINIMUM STRUCTURE HEIGHT:	110'
MAXIMUM STRUCTURE HEIGHT:	145'
AVERAGE STRUCTURE HEIGHT:	127'
I. AVERAGE SPAN LENGTH:	861'
J. MINIMUM CONDUCTOR-TO-GROUND:	22.5' (AT MAXIMUM OPERATING TEMPERATURE)

NOTES

1. INFORMATION ON DRAWING IS PRELIMINARY AND SUBJECT TO CHANGE DURING FINAL ENGINEERING
2. INDIVIDUAL POLE HEIGHTS ABOVE GROUND MAY VARY SUBJECT TO FINAL LOCATION AND TERRAIN
3. STRUCTURE HEIGHTS ARE MEASURED FROM STRUCTURE CENTERLINE
4. MINIMUM FOUNDATION REVEAL SHALL BE 1.5', MAX REVEAL SUBJECT TO FINAL LOCATION AND TERRAIN

Electric Transmission

SECTION 4:
STRUCTURES
183/99-183/133

DRAWING NO.

Attachment II.B.3.h

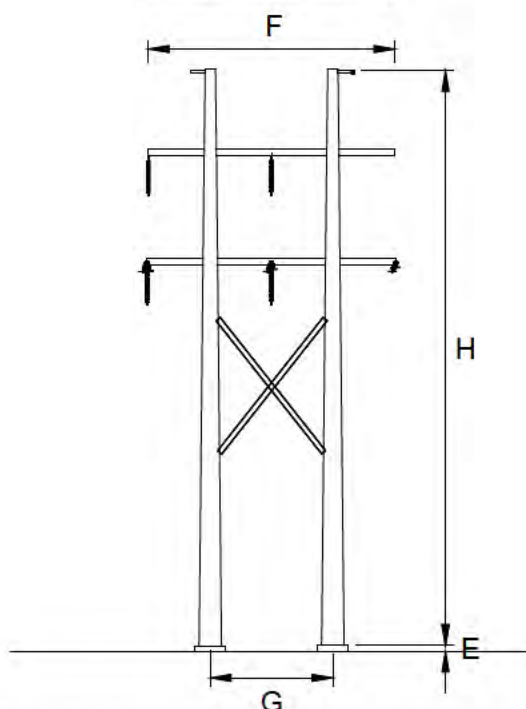


Dominion Energy
10900 Nuckols Road
Glen Allen, VA 23060

DRAWN MLG

SECTION 4

Attachment II.B.3.i



DOUBLE CIRCUIT H-FRAME DOUBLE DEAD-END STRUCTURE

B. RATIONALE FOR STRUCTURE TYPE:	STRUCTURES ARE TO ACCOMMODATE LINE 183 AND FUTURE PLANNING
C. LENGTH OF R/W (STRUCTURE QUANTITY):	5.30 MILES (3 STRUCTURES)
D. STRUCTURE MATERIAL:	WEATHERING STEEL
RATIONALE FOR STRUCTURE MATERIAL:	WEATHERING STEEL WAS SELECTED TO MATCH THE EXISTING WEATHERING STEEL LATTICE TOWER STRUCTURES
E. FOUNDATION MATERIAL:	CONCRETE
AVERAGE FOUNDATION REVEAL:	SEE NOTE 4
F. AVERAGE WIDTH AT CROSSARM:	48.5'
G. AVERAGE WIDTH AT BASE:	23.5' (SEE NOTE 1)
H. MINIMUM STRUCTURE HEIGHT:	75'
MAXIMUM STRUCTURE HEIGHT:	110'
AVERAGE STRUCTURE HEIGHT:	99'
I. AVERAGE SPAN LENGTH:	598'
J. MINIMUM CONDUCTOR-TO-GROUND:	22.5' (AT MAXIMUM OPERATING TEMPERATURE)

NOTES

1. INFORMATION ON DRAWING IS PRELIMINARY AND SUBJECT TO CHANGE DURING FINAL ENGINEERING
2. INDIVIDUAL POLE HEIGHTS ABOVE GROUND MAY VARY SUBJECT TO FINAL LOCATION AND TERRAIN
3. STRUCTURE HEIGHTS ARE MEASURED FROM STRUCTURE CENTERLINE
4. MINIMUM FOUNDATION REVEAL SHALL BE 1.5', MAX REVEAL SUBJECT TO FINAL LOCATION AND TERRAIN

Electric Transmission



Dominion Energy
10900 Nuckols Road
Glen Allen, VA 23060

SECTION 4:
STRUCTURES
183/99-183/133

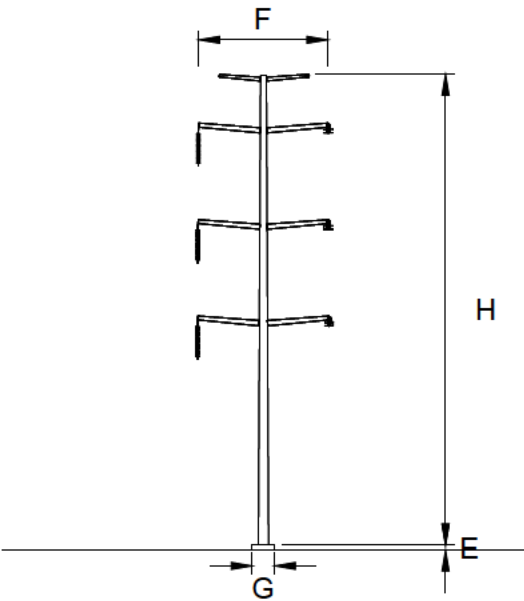
DRAWING NO.

Attachment II.B.3.i

DRAWN MLG

SECTION 4

Attachment II.B.3.j



DOUBLE CIRCUIT DOUBLE DEAD-END MONOPOLE STRUCTURE

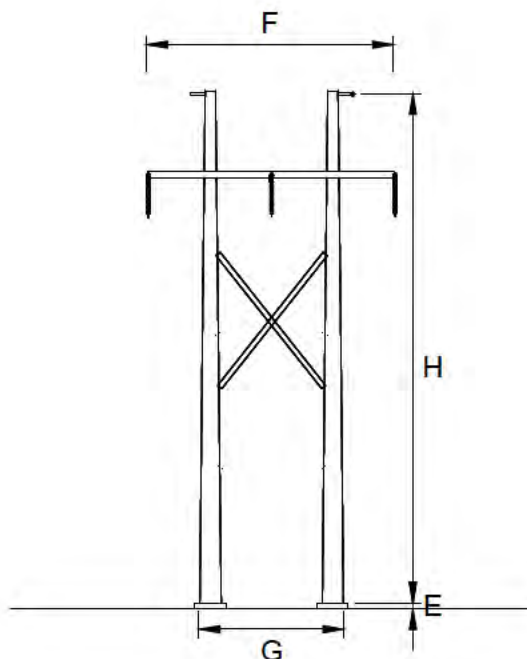
B. RATIONALE FOR STRUCTURE TYPE:	STRUCTURES ARE TO ACCOMMODATE LINE 183 AND FUTURE PLANNING
C. LENGTH OF R/W (STRUCTURE QUANTITY):	5.30 MILES (2 STRUCTURES)
D. STRUCTURE MATERIAL:	WEATHERING STEEL
RATIONALE FOR STRUCTURE MATERIAL:	WEATHERING STEEL WAS SELECTED TO MATCH THE EXISTING WEATHERING STEEL LATTICE TOWER STRUCTURES
E. FOUNDATION MATERIAL:	CONCRETE
AVERAGE FOUNDATION REVEAL:	SEE NOTE 4
F. AVERAGE WIDTH AT CROSSARM:	27'
G. AVERAGE WIDTH AT BASE:	6' - 9' DIAMETER FOUNDATION (SEE NOTE 1)
H. MINIMUM STRUCTURE HEIGHT:	125'
MAXIMUM STRUCTURE HEIGHT:	145'
AVERAGE STRUCTURE HEIGHT:	135'
I. AVERAGE SPAN LENGTH:	598'
J. MINIMUM CONDUCTOR-TO-GROUND:	22.5' (AT MAXIMUM OPERATING TEMPERATURE)

NOTES	1. INFORMATION ON DRAWING IS PRELIMINARY AND SUBJECT TO CHANGE DURING FINAL ENGINEERING
	2. INDIVIDUAL POLE HEIGHTS ABOVE GROUND MAY VARY SUBJECT TO FINAL LOCATION AND TERRAIN
	3. STRUCTURE HEIGHTS ARE MEASURED FROM STRUCTURE CENTERLINE
	4. MINIMUM FOUNDATION REVEAL SHALL BE 1.5', MAX REVEAL SUBJECT TO FINAL LOCATION AND TERRAIN

Electric Transmission	SECTION 4: STRUCTURES 183/99-183/133	DRAWING NO. Attachment II.B.3.j
 Dominion Energy 10900 Nuckols Road Glen Allen, VA 23060		DRAWN MLG

SECTION 4

Attachment II.B.3.k



SINGLE CIRCUIT H-FRAME DOUBLE DEAD-END STRUCTURE

B. RATIONALE FOR STRUCTURE TYPE:	STRUCTURES ARE TO ACCOMMODATE LINE 183 AND FUTURE PLANNING
C. LENGTH OF R/W (STRUCTURE QUANTITY):	5.30 MILES (2 STRUCTURES)
D. STRUCTURE MATERIAL:	WEATHERING STEEL
RATIONALE FOR STRUCTURE MATERIAL:	WEATHERING STEEL WAS SELECTED TO MATCH THE EXISTING WEATHERING STEEL LATTICE TOWER STRUCTURES
E. FOUNDATION MATERIAL:	CONCRETE
AVERAGE FOUNDATION REVEAL:	SEE NOTE 4
F. AVERAGE WIDTH AT CROSSARM:	48.5'
G. AVERAGE WIDTH AT BASE:	23.5' (SEE NOTE 1)
H. MINIMUM STRUCTURE HEIGHT:	90'
MAXIMUM STRUCTURE HEIGHT:	90'
AVERAGE STRUCTURE HEIGHT:	90'
I. AVERAGE SPAN LENGTH:	598'
J. MINIMUM CONDUCTOR-TO-GROUND:	22.5' (AT MAXIMUM OPERATING TEMPERATURE)

NOTES

1. INFORMATION ON DRAWING IS PRELIMINARY AND SUBJECT TO CHANGE DURING FINAL ENGINEERING
2. INDIVIDUAL POLE HEIGHTS ABOVE GROUND MAY VARY SUBJECT TO FINAL LOCATION AND TERRAIN
3. STRUCTURE HEIGHTS ARE MEASURED FROM STRUCTURE CENTERLINE
4. MINIMUM FOUNDATION REVEAL SHALL BE 1.5', MAX REVEAL SUBJECT TO FINAL LOCATION AND TERRAIN

Electric Transmission



Dominion Energy
10900 Nuckols Road
Glen Allen, VA 23060

SECTION 4:
STRUCTURE
183/99-183/133

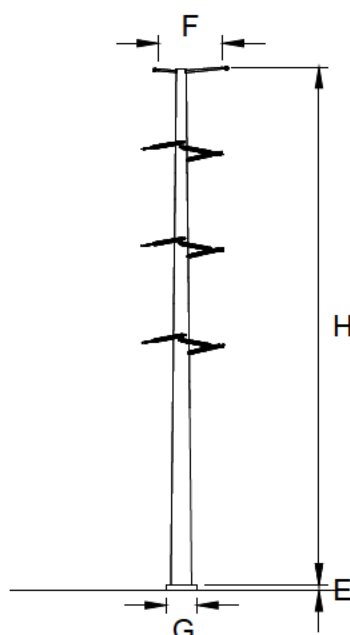
DRAWING NO.

Attachment II.B.3.k

DRAWN MLG

Attachment II.B.3.I

SECTION 4



SINGLE CIRCUIT STEEL POLE - NO ARMS

B. RATIONALE FOR STRUCTURE TYPE:	STRUCTURES ARE TO ACCOMMODATE LINE 183 AND FUTURE PLANNING
C. LENGTH OF R/W (STRUCTURE QUANTITY):	5.30 MILES (2 STRUCTURES)
D. STRUCTURE MATERIAL:	WEATHERING STEEL
RATIONALE FOR STRUCTURE MATERIAL:	WEATHERING STEEL WAS SELECTED TO MATCH THE EXISTING WEATHERING STEEL LATTICE TOWER STRUCTURES
E. FOUNDATION MATERIAL:	CONCRETE
AVERAGE FOUNDATION REVEAL:	SEE NOTE 4
F. AVERAGE WIDTH AT CROSSARM:	N/A
G. AVERAGE WIDTH AT BASE:	6'-8" DIAMETER FOUNDATION (SEE NOTE 1)
H. MINIMUM STRUCTURE HEIGHT:	100'
MAXIMUM STRUCTURE HEIGHT:	100'
AVERAGE STRUCTURE HEIGHT:	100'
I. AVERAGE SPAN LENGTH:	598'
J. MINIMUM CONDUCTOR-TO-GROUND:	22.5' (AT MAXIMUM OPERATING TEMPERATURE)

NOTES

1. INFORMATION ON DRAWING IS PRELIMINARY AND SUBJECT TO CHANGE DURING FINAL ENGINEERING
2. INDIVIDUAL POLE HEIGHTS ABOVE GROUND MAY VARY SUBJECT TO FINAL LOCATION AND TERRAIN
3. STRUCTURE HEIGHTS ARE MEASURED FROM STRUCTURE CENTERLINE
4. MINIMUM FOUNDATION REVEAL SHALL BE 1.5', MAX REVEAL SUBJECT TO FINAL LOCATION AND TERRAIN

Electric Transmission



Dominion Energy
10900 Nuckols Road
Glen Allen, VA 23060

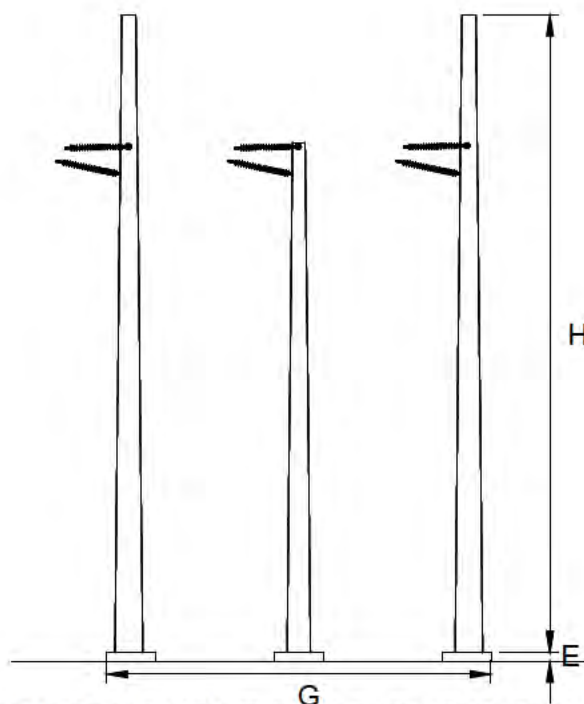
SECTION 4:
STRUCTURE
183/99-183/133

DRAWING NO.

Attachment II.B.3.I

DRAWN MLG

SOWEGO SUBSTATION PROPERTY



SINGLE CIRCUIT DOUBLE DEAD-END 3-POLE STRUCTURE

B. RATIONALE FOR STRUCTURE TYPE:	STRUCTURE ACCOMMODATES FOR LINE 183 REBUILD
C. LENGTH OF R/W (STRUCTURE QUANTITY):	0.11 MILES (2 STRUCTURES)
D. STRUCTURE MATERIAL:	WEATHERING STEEL
RATIONALE FOR STRUCTURE MATERIAL:	WEATHERING STEEL WAS SELECTED TO CLOSELY MATCH THE STRUCTURES THAT HAVE BEEN REPLACED IN THE RECONDUCTORING OF LINE 183
E. FOUNDATION MATERIAL:	CONCRETE
AVERAGE FOUNDATION REVEAL:	SEE NOTE 4
F. AVERAGE WIDTH AT CROSSARM:	N/A
G. AVERAGE WIDTH AT BASE:	44' (SEE NOTE 1)
H. MINIMUM STRUCTURE HEIGHT:	70'
MAXIMUM STRUCTURE HEIGHT:	75'
AVERAGE STRUCTURE HEIGHT:	73'
I. AVERAGE SPAN LENGTH:	283'
J. MINIMUM CONDUCTOR-TO-GROUND:	22.5'

NOTES

1. INFORMATION ON DRAWING IS PRELIMINARY AND SUBJECT TO CHANGE DURING FINAL ENGINEERING
2. INDIVIDUAL POLE HEIGHTS ABOVE GROUND MAY VARY SUBJECT TO FINAL LOCATION AND TERRAIN
3. STRUCTURE HEIGHTS ARE MEASURED FROM STRUCTURE CENTERLINE
4. MINIMUM FOUNDATION REVEAL SHALL BE 1.5', MAX REVEAL SUBJECT TO FINAL LOCATION AND TERRAIN

Electric Transmission



Dominion Energy
10900 Nuckols Road
Glen Allen, VA 23060

SOWEGO SUBSTATION PROPERTY :
STRUCTURES
183/1000-1001

DRAWING NO.

Attachment II.B.3.m

DRAWN MLG

**STAGE I PRE-APPLICATION ANALYSIS FOR THE PROPOSED DOMINION ENERGY VIRGINIA LINE #183
REBUILD PROJECT, FAQUIER AND PRINCE WILLIAM COUNTIES, VIRGINIA**

Appendix B

B.1 ARCHITECTURAL RESOURCE MAPS

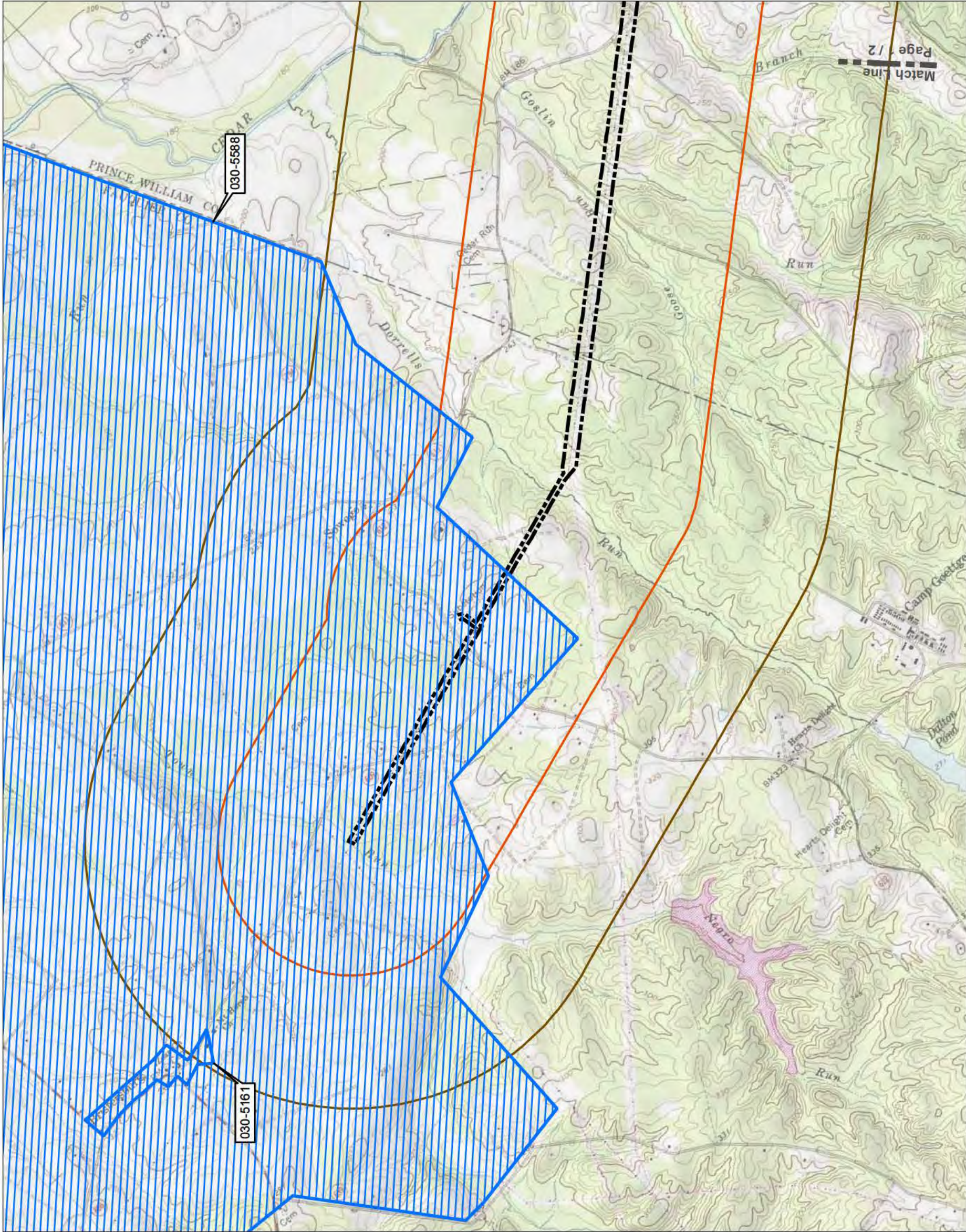


Figure No. **Appendix B**

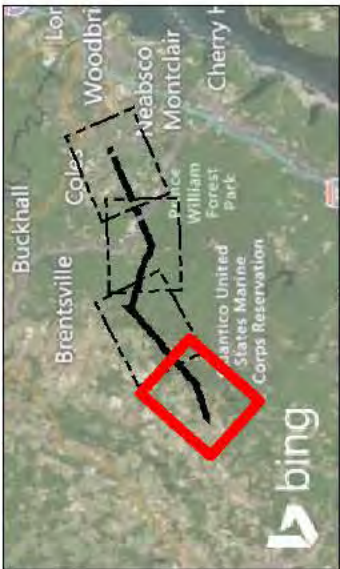
Previously Identified Eligible Architectural Resources within a 1-Mile Radius of the Project Limits

Client/Project
Dominion Energy Virginia
Line #183 Partial Rebuild Project
203401769

Project Location
Prince William and Fauquier Counties, Virginia
Prepared by ECL on 2022-06-21
TR by MGS on 2022-06-24
IR by SLD on 2022-06-24

Scale
0 2,000 4,000 Feet
(At original document size of 11x17)
1:24,000

Legend
Project Limits
1-Mile Buffer
0.5-Mile Buffer
Architectural Resource



Notes
1. Coordinate System: NAD 1983 StatePlane Virginia North FIPS 4501 Feet
2. Data Sources: Stantec, Dominion Energy Virginia, DCR, VGIN, Virginia Department of Historic Resources, Virginia Cultural Resources Information System (VCRIS)
3. Topographic Map: © USGS 7.5 Minute Series Topographic Map
4. Orthomosaic: © Bing Maps
5. Microsoft product screen shot(s) reprinted with permission from Microsoft Corporation

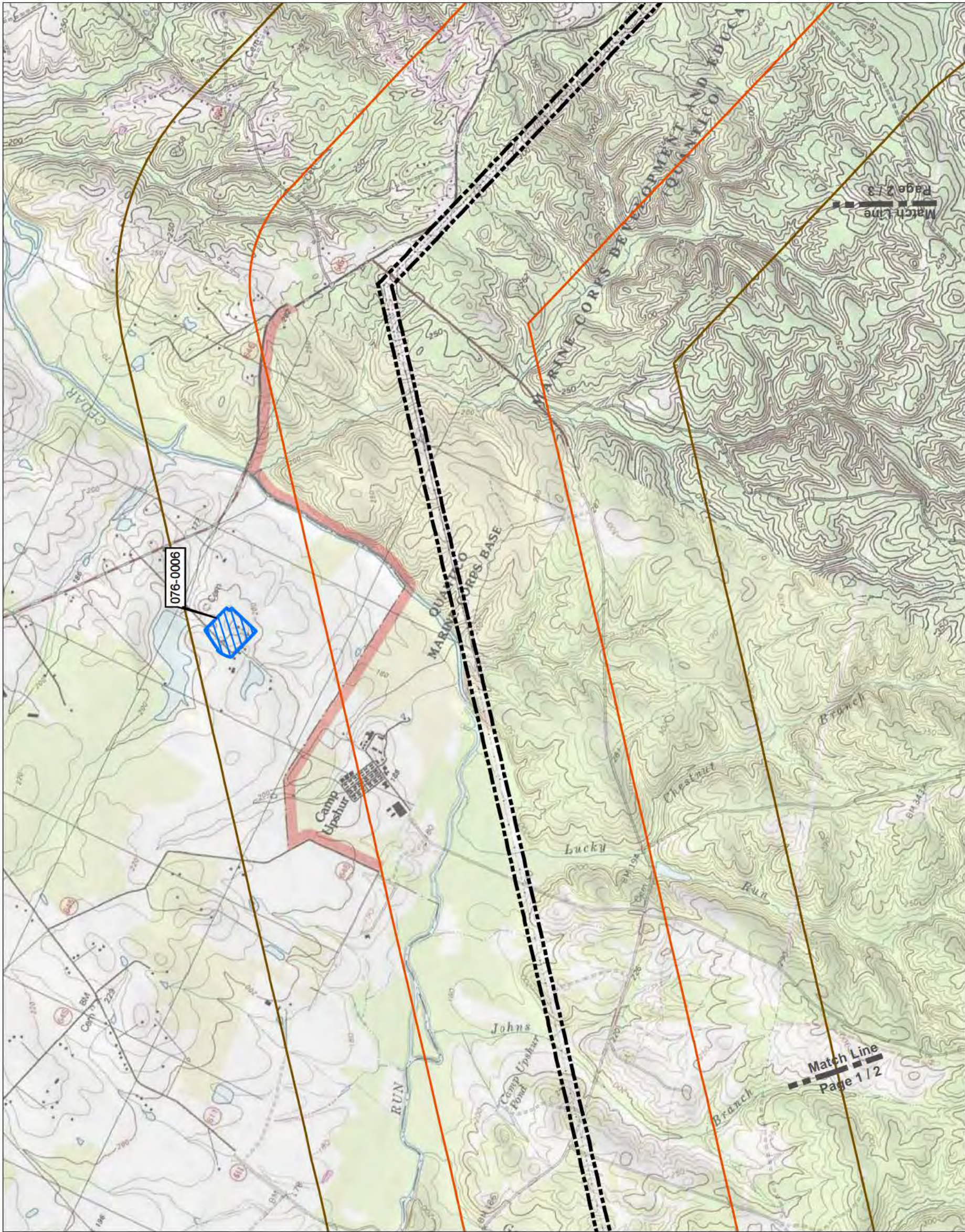


Figure No.
Appendix B

Title
Previously Identified Eligible Architectural Resources within a 1-Mile Radius of the Project Limits

Client/Project
Dominion Energy Virginia
Line #183 Partial Rebuild Project

Project Location
Prince William and Fauquier Counties, Virginia

Prepared by ECL on 2022-06-21
TR by MGS on 2022-06-24
IR by SLD on 2022-06-24

Scale
0 2,000 4,000 Feet
(At original document size of 11x17)
1:24,000

Legend

- Project Limits
- 1-Mile Buffer
- 0.5-Mile Buffer
- Architectural Resource



Notes

1. Coordinate System: NAD 1983 StatePlane Virginia North FIPS 4501 Feet
2. Data Sources: Stantec, Dominion Energy Virginia, DCR, VGIN, Virginia Department of Historic Resources, Virginia Cultural Resources Information System (VCRIS)
3. Topographic Map: © USGS 7.5 Minute Series Topographic Map
4. Orthomosaic: © Bing Maps
5. Microsoft product screen shot(s) reprinted with permission from Microsoft Corporation

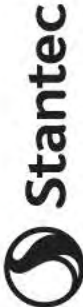


Figure No.

Appendix B

Title

Previously Identified Eligible Architectural Resources within a 1-Mile Radius of the Project Limits

Client/Project

Dominion Energy Virginia
Line #183 Partial Rebuild Project

Project Location

Prince William and Fauquier Counties, Virginia

Prepared by ECL on 2022-06-21
TR by MGS on 2022-06-24
IR by SLD on 2022-06-24

203401769

0 2,000 4,000 Feet

(At original document size of 11x17)

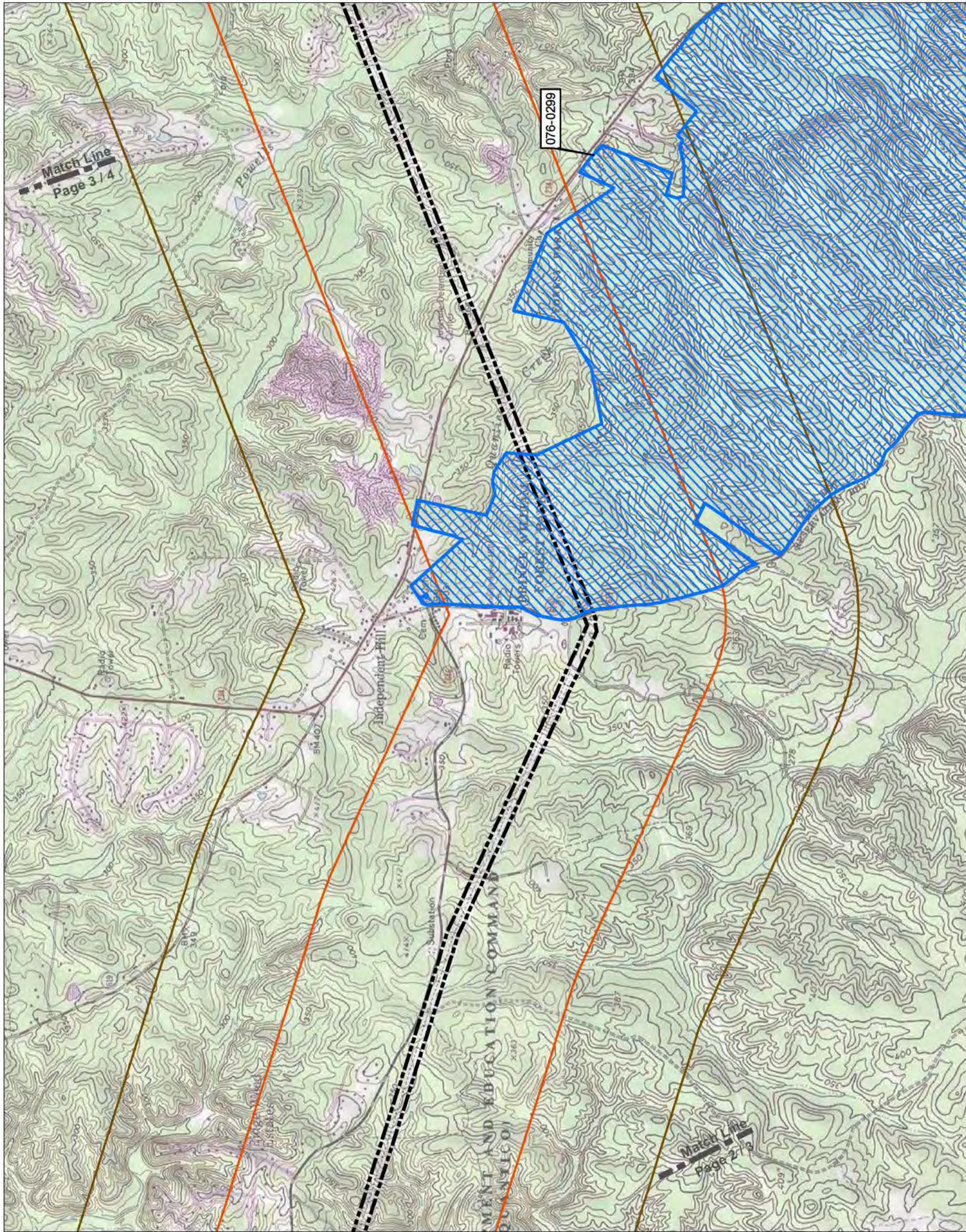
1:24,000

Project Limits

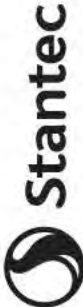
1-Mile Buffer

0.5-Mile Buffer

Architectural Resource



Notes
1. Coordinate System: NAD 1983 StatePlane Virginia North FIPS 4501 Feet
2. Data Sources: Stantec, Dominion Energy Virginia, DCR, VGIN, Virginia Department of Historic Resources, Virginia Cultural Resources Information System (VC RIS)
3. Topographic Map © USGS 7.5 Minute Series Topographic Map
4. Orthomography © Bing Maps
5. Microsoft product screen shot(s) reprinted with permission from Microsoft Corporation



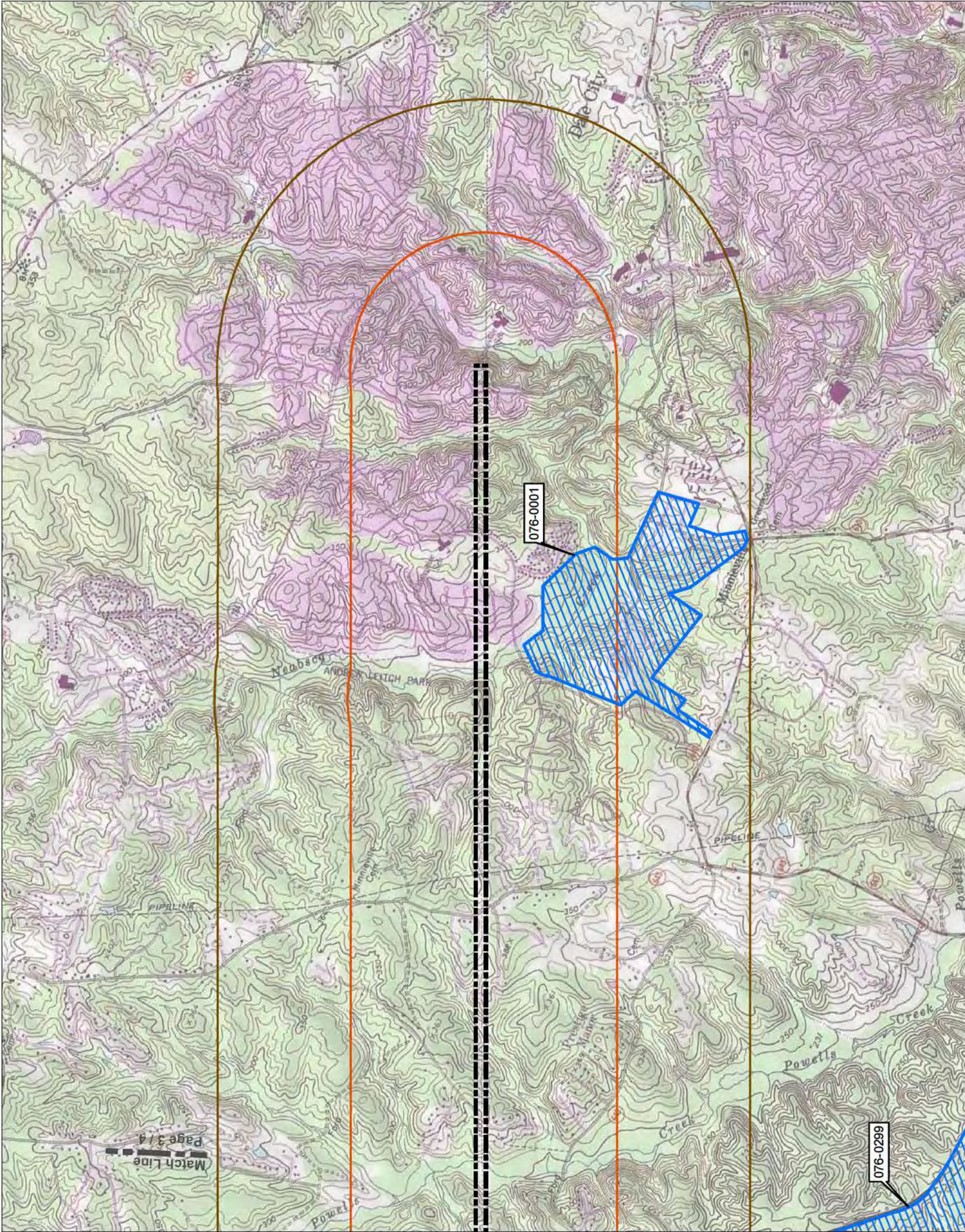


Figure No.

Appendix B

Title

Previously Identified Eligible Architectural Resources within a 1-Mile Radius of the Project Limits

Client/Project

203401769
Dominion Energy Virginia
Line #183 Partial Rebuild Project

Project Location

Prepared by ECL on 2022-06-21
TR by MGS on 2022-06-24
IR by SLD on 2022-06-24
Prince William and Fauquier Counties, Virginia

North Arrow

0 2,000 4,000 Feet

(At original document size of 11x17)

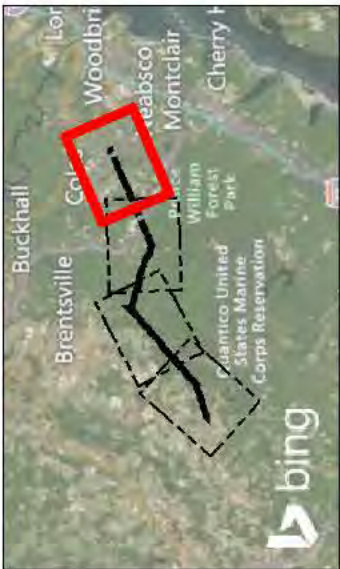
1:24,000

Project Limits

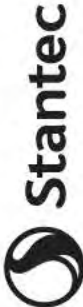
1-Mile Buffer

0.5-Mile Buffer

Architectural Resource



Notes
1. Coordinate System: NAD 1983 StatePlane Virginia North FIPS 4501 Feet
2. Data Sources: Stantec, Dominion Energy Virginia, DCR, VGIN, Virginia Department of Historic Resources, Virginia Cultural Resources Information System (VC RIS)
3. Topographic Map © USGS 7.5 Minute Series Topographic Map
4. Orthomageary © Bing Maps
5. Microsoft product screen shots (reprinted with permission from Microsoft Corporation)



**STAGE I PRE-APPLICATION ANALYSIS FOR THE PROPOSED DOMINION ENERGY VIRGINIA LINE #183
REBUILD PROJECT, FAQUIER AND PRINCE WILLIAM COUNTIES, VIRGINIA**

APPENDIX C

C.1 PHOTOSIMULATIONS

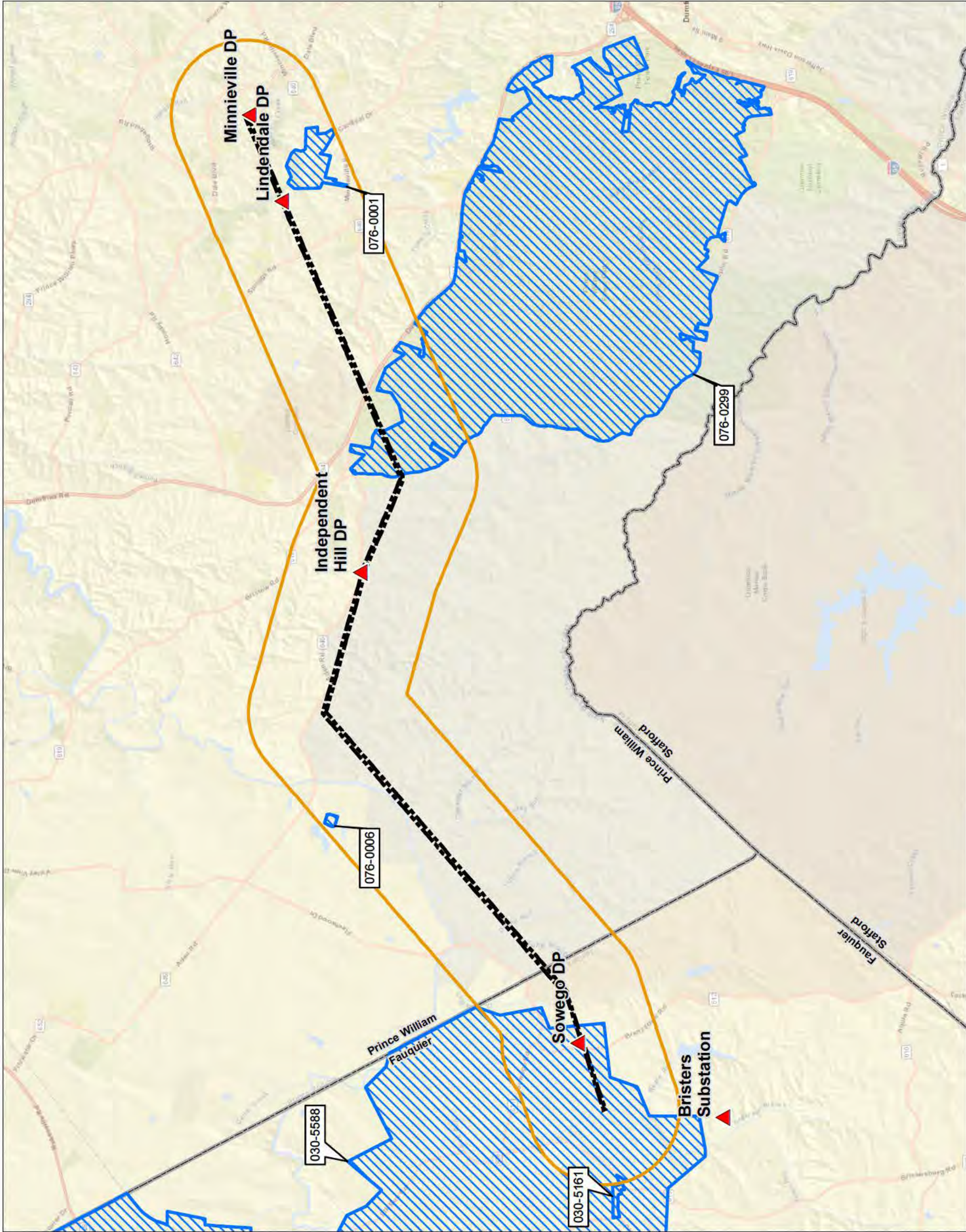
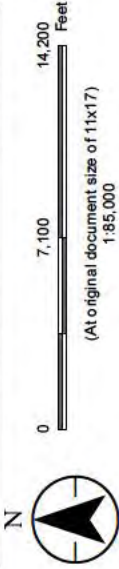


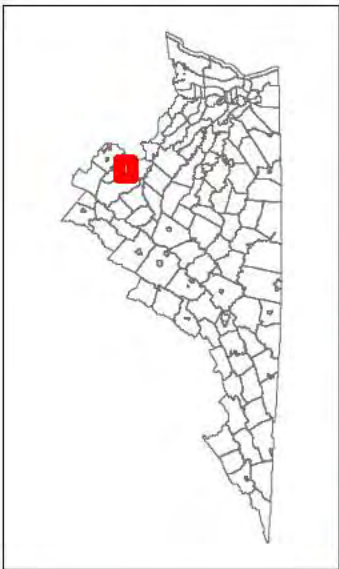
Figure No.
II.B.6
Title
Viewshed Map

Client/Project
Dominion Energy Virginia
Line 183 Partial Rebuild
203401607
Project Location
Fauquier and Prince William Counties, Virginia
Prepared by GMA on 2022-07-14
TR by XXX on 2022-07-14
IR by CPG on 2022-07-14

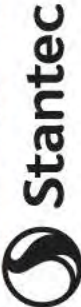


- Substation
- Project Limits
- 1-Mile Buffer
- Architectural Resource

Existing Structures to Remain were omitted from this model.



Notes
1. Coordinate System: NAD 1983 StatePlane Virginia North FIPS 4501 Feet
2. Data Sources: Dominion Energy Virginia, Historic resource data provided by Virginia Department of Historic Resources, Virginia Cultural Resources Information System (VCRIS)
3. Orthorectified imagery was produced from digital elevation model and digital surface model derived from VGIN LIDAR
4. Orthorectified imagery © Bing Maps
5. Microsoft product screen shot(s) reprinted with permission from Microsoft Corporation



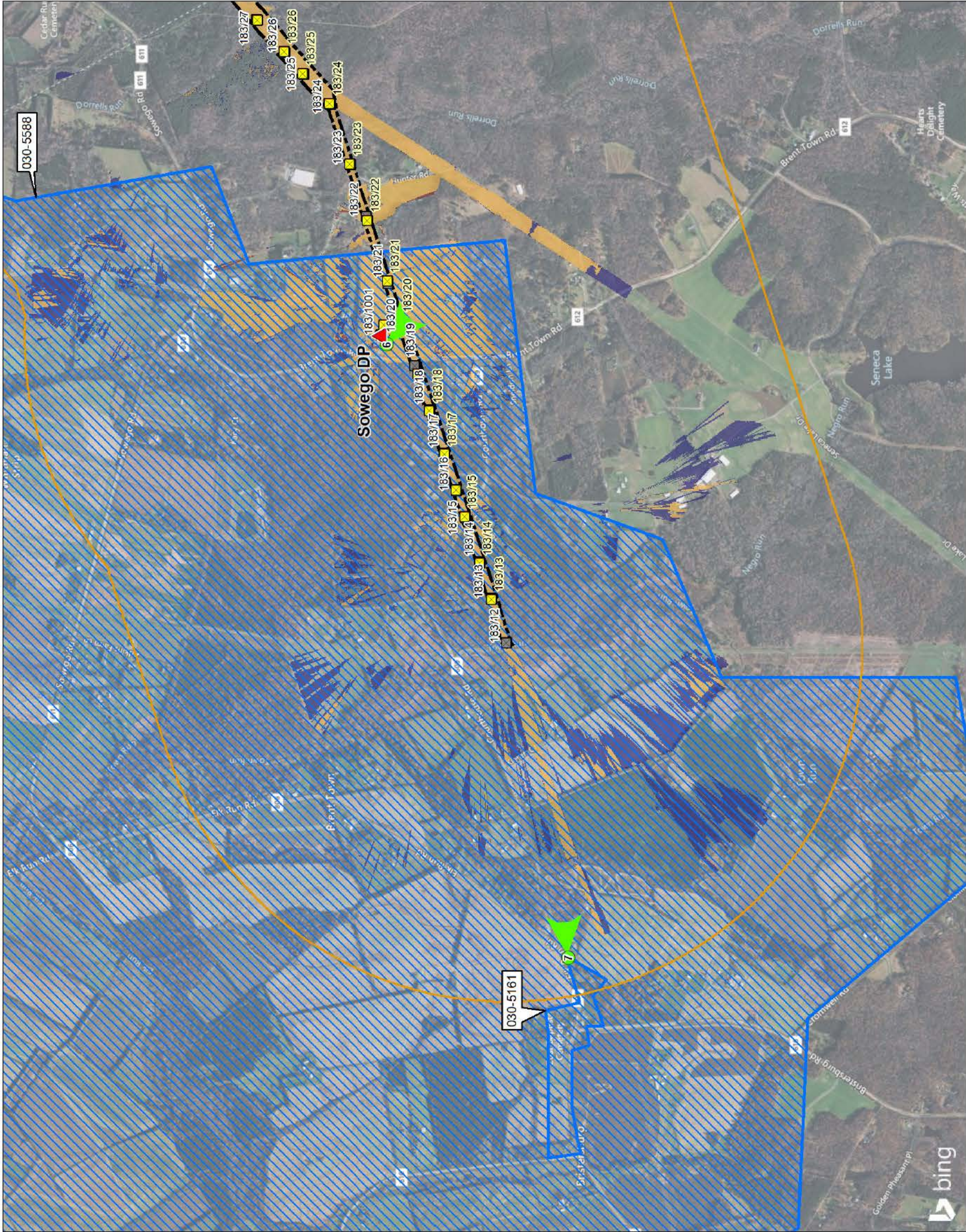


Figure No.
II.B.6
Title
Viewshed Map

Client/Project
Dominion Energy Virginia
Line 183 Partial Rebuild
203401607
Project Location
Fauquier and Prince William Counties, Virginia
Prepared by MGS on 2021-06-25
TR by TPS on 2021-09-02
IR by CPQ on 2021-09-02



- Substation
- Photo Observation Point
- Proposed Structure
- Existing Structure
- Project Limits
- 1-Mile Buffer
- Architectural Resource
- Existing Visible, Proposed Not Visible
- Both Existing and Proposed Visible
- Existing Not Visible, Proposed Visible

Existing Structures to Remain were omitted from this model.



Notes
1. Coordinate System: NAD 1983 StatePlane Virginia North FIPS 4501 Feet
2. Data Sources: Dominion Energy Virginia, Historic resource data provided by Virginia Department of Historic Resources, Virginia Cultural Resources Information System (VCRIS)
3. Orthorectified imagery was derived from digital elevation model and digital surface model derived from VGIN LIDAR
4. Orthorectified imagery © Bing Maps
5. Microsoft product screen shot(s) reprinted with permission from Microsoft Corporation



Figure No.

II.B.6

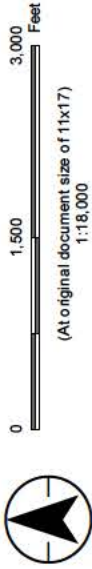
Title

Viewshed Map

Client/Project
Dominion Energy Virginia
Line 183 Partial Rebuild

Project Location
Fauquier and Prince William Counties, Virginia

Prepared by GMA on 2022-07-14
TR by XXX on 2022-07-14
IR by CPQ on 2022-07-14



- Substation
- Photo Observation Point
- Proposed Structure
- Existing Structure
- Project Limits
- 1-Mile Buffer
- Architectural Resource
- Existing Visible, Proposed Not Visible
- Both Existing and Proposed Visible
- Existing Not Visible, Proposed Visible

Existing Structures to Remain were omitted from this model.



Notes
1. Coordinate System: NAD 1983 StatePlane Virginia North FIPS 4501 Feet
2. Data Sources: Dominion Energy Virginia, Historic resource data provided by Virginia Department of Historic Resources, Virginia Cultural Resources Information System (VCRIS)
3. Data Processing: The model was created using a combination of aerial imagery, VCRIS data, and data from VGIN LIDAR
4. Orthomosaic: Bing Maps
5. Microsoft product screen shot(s) reprinted with permission from Microsoft Corporation

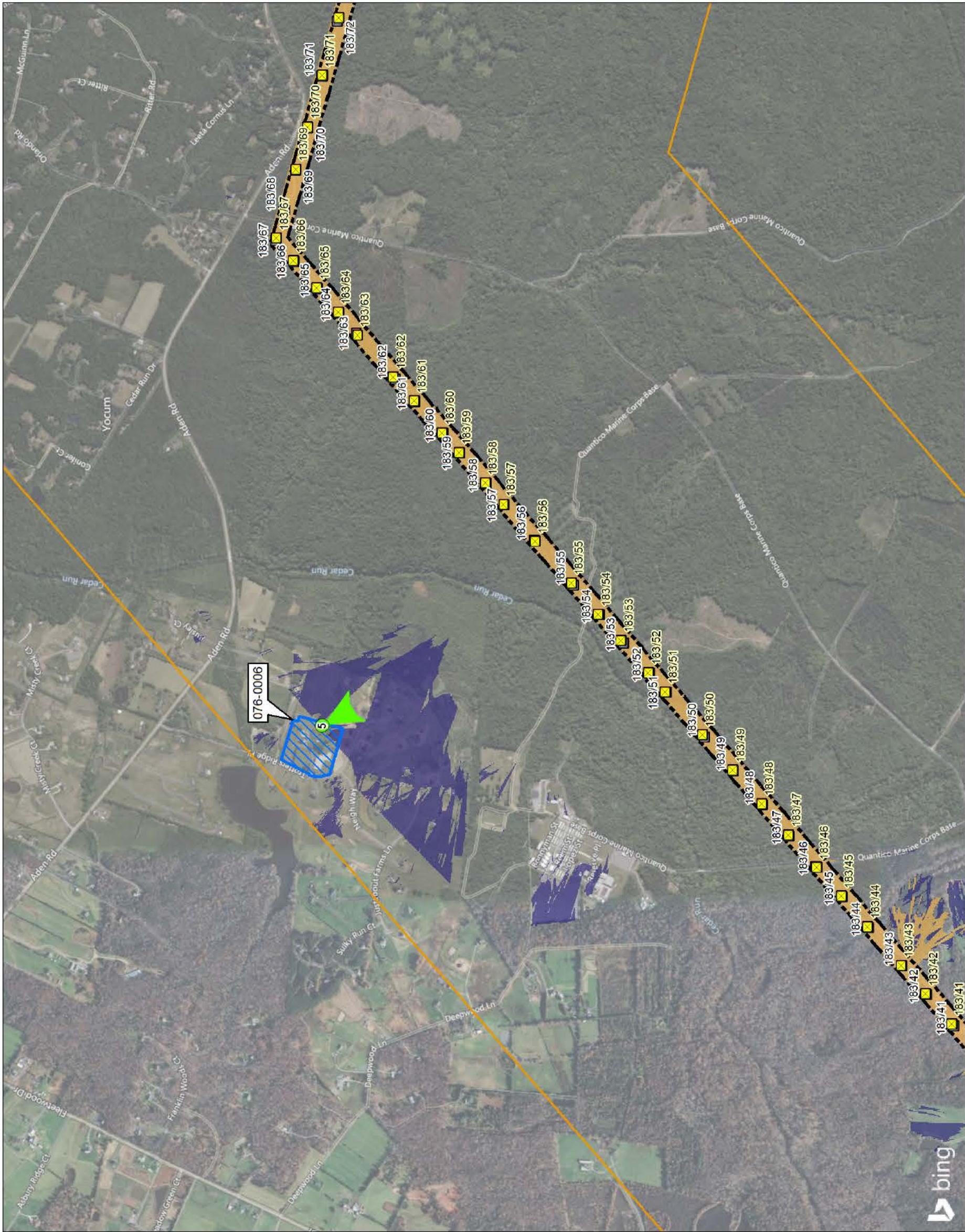


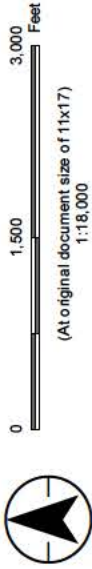
Figure No.
II.B.6

Title
Viewshed Map

Client/Project
Dominion Energy Virginia
Line 183 Partial Rebuild

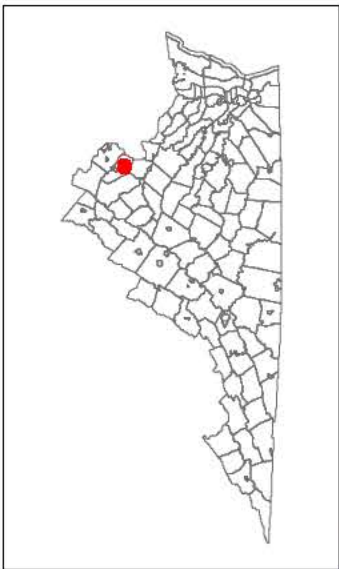
Prepared by GMA on 2022-07-14
TR by XXX on 2022-07-14
IR by CPG on 2022-07-14

Project Location
Fauquier and Prince William Counties, Virginia



- Substation
- Photo Observation Point
- Proposed Structure
- Existing Structure
- Project Limits
- 1-Mile Buffer
- Architectural Resource
- Existing Visible, Proposed Not Visible
- Both Existing and Proposed Visible
- Existing Not Visible, Proposed Visible

Existing Structures to Remain were omitted from this model.



Notes

1. Coordinate System: NAD 1983 StatePlane Virginia North FIPS 4501 Feet
2. Data Sources: Dominion Energy Virginia, Historic resource data provided by Virginia Department of Historic Resources, Virginia Cultural Resources Information System (VCRIS)
3. Architectural Resources: Virginia Department of Historic Resources, Virginia Cultural Resources Information System (VCRIS)
4. Orthomosaic: Bing Maps
5. Microsoft product screen shot(s) reprinted with permission from Microsoft Corporation

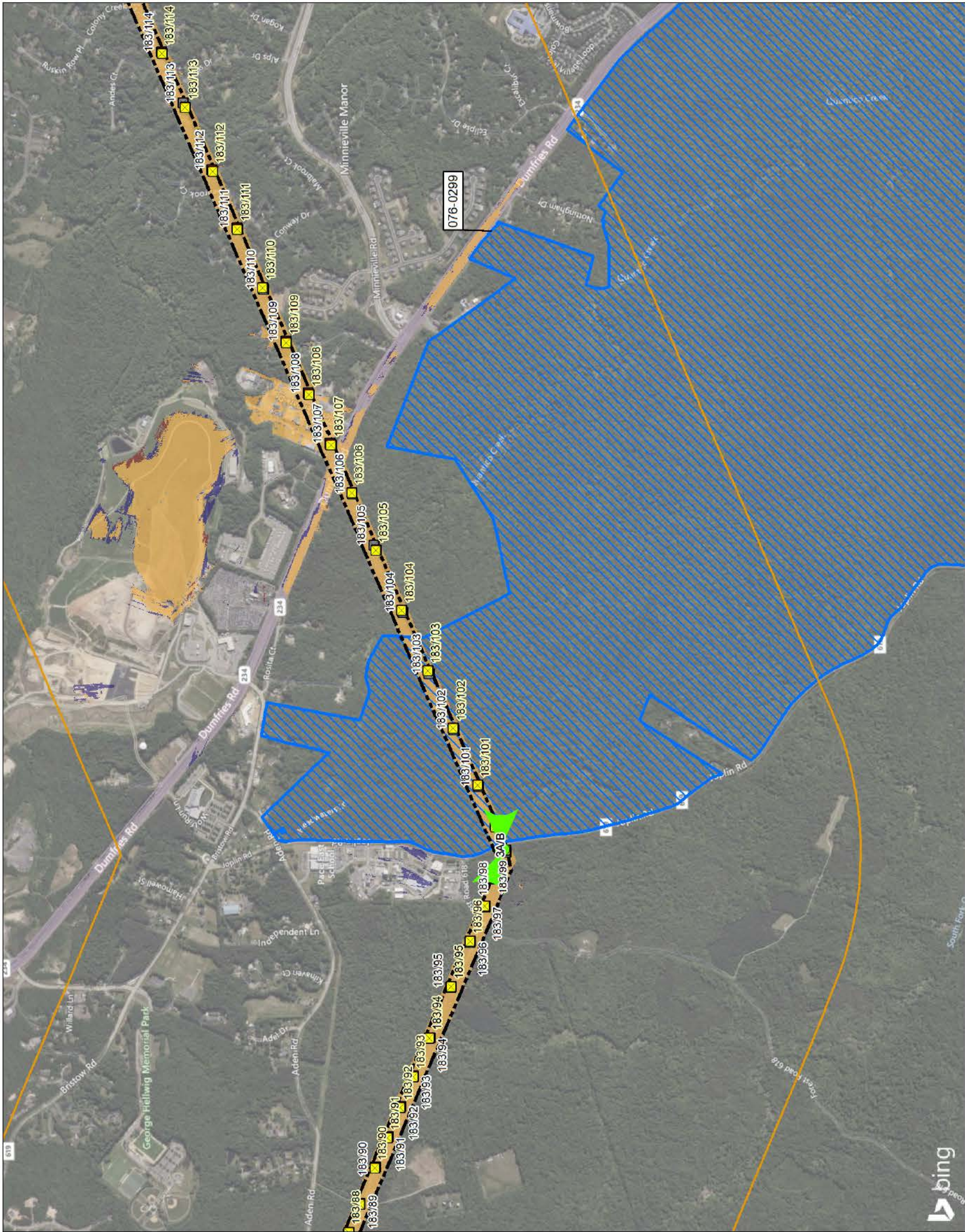


Figure No.
II.B.6

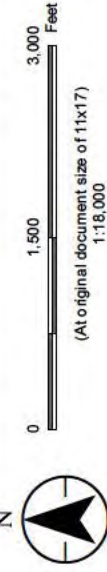
Title
Viewshed Map

Client/Project
Dominion Energy Virginia
Line 183 Partial Rebuild

203401607

Project Location
Fauquier and Prince William Counties, Virginia

Prepared by GMA on 2022-07-14
TR by XXX on 2022-07-14
IR by CPQ on 2022-07-14

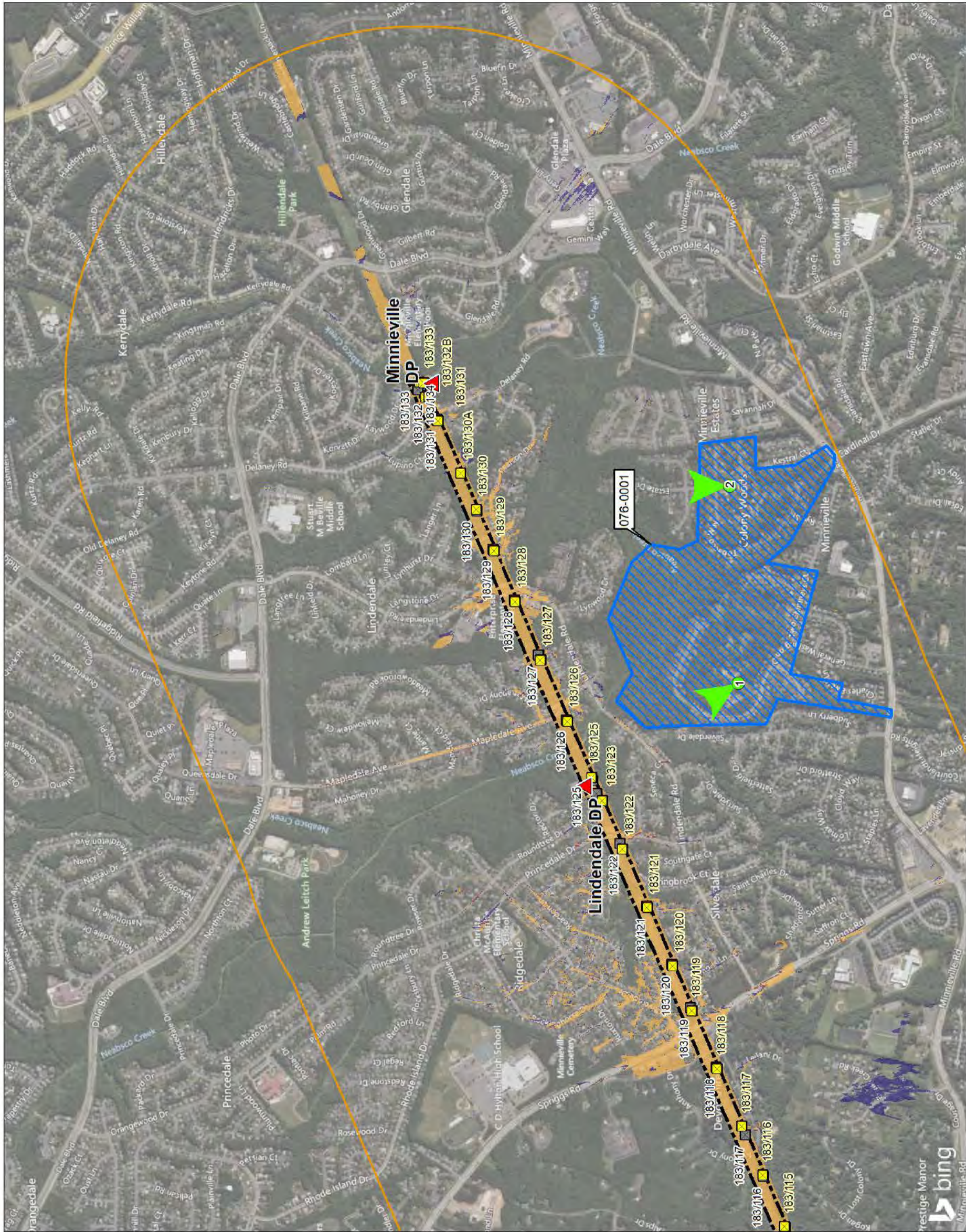
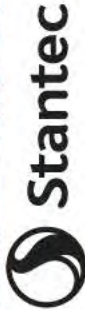


- Substation
- Photo Observation Point
- Proposed Structure
- Existing Structure
- Project Limits
- 1-Mile Buffer
- Architectural Resource
- Existing Visible, Proposed Not Visible
- Both Existing and Proposed Visible
- Existing Not Visible, Proposed Visible

Existing Structures to Remain were omitted from this model.



Notes
1. Coordinate System: NAD 1983 StatePlane Virginia North FIPS 4501 Feet
2. Data Sources: Dominion Energy Virginia, Historic resource data provided by Virginia Department of Historic Resources, Virginia Cultural Resources Information System (VCRIS)
3. Data Processing: The data was processed using ArcGIS Pro 2.9.1. The data was then processed using the Virginia Department of Historic Resources' Virginia Cultural Resources Information System (VCRIS) to create the final map.
4. Orthomosaic: Bing Maps
5. Microsoft product screen shot(s) reprinted with permission from Microsoft Corporation





Photograph provided by Stantec

OP 1 Existing
Bel Air (DHR #076-0001)



Simulation provided by Stantec

OP 1 Proposed (Structures Not Visible)
Bel Air (DHR #076-0001)



Photograph provided by Stantec

OP 2 Existing
Bel Air (DHR #076-0001)



Simulation provided by Stantec

OP 2 Proposed
Bel Air (DHR #076-0001)





Photograph provided by Stantec

OP 3A Existing
Chopawamsic Recreation Demonstration Area (DHR #076-0299)



Simulation by Stantec

OP 3A Proposed
Chopawamsic Recreation Demonstration Area (DHR #076-0299)



Photograph provided by Stantec

OP 3B Existing
Chopawamsic Recreation Demonstration Area (DHR #076-0299)





Simulation by Stantec

OP 3B Proposed
Chopawamsic Recreation Demonstration Area (DHR #076-0299)





Photograph provided by Stantec

OP 5 Existing
Effingham Plantation (DHR #076-0006)





Simulation provided by Stantec

OP 5 Proposed
Effingham Plantation (DHR #076-0006)





Photograph provided by Stantec

OP 6 Existing
Elk Run Rural Historic District (DHR #030-5588)



Simulation provided by Stantec

OP 6 Proposed
Elk Run Rural Historic District (DHR #030-5588)



Photograph provided by Stantec

OP 7 Existing
Bristersburg Historic District (DHR #030-6151) & Elk Run Rural Historic District (DHR #030-5588)





Simulation provided by Stantec

OP 7 Proposed (Structures Not Visible)
Bristersburg Historic District (DHR #030-6151) & Elk Run Rural Historic District (DHR #030-5588)



**STAGE I PRE-APPLICATION ANALYSIS FOR THE PROPOSED DOMINION ENERGY VIRGINIA LINE #183
REBUILD PROJECT, FAQUIER AND PRINCE WILLIAM COUNTIES, VIRGINIA**

APPENDIX D

D.1 ARCHAEOLOGICAL RESOURCE MAPS

To protect the integrity of archaeological sites in the project vicinity, the archaeological resources map has been redacted from the public version of this report.



COMMONWEALTH of VIRGINIA

Travis A. Voyles
Acting Secretary of Natural
and Historic Resources

Department of Historic Resources
2801 Kensington Avenue, Richmond, Virginia 23221

Julie V. Langan
Director
Tel: (804) 367-2323
Fax: (804) 367-2391
www.dhr.virginia.gov

July 18, 2022

Nancy Reid
Dominion Energy Virginia
Electric Transmission
P.O. Box 26666
Richmond, VA 23261

Re: Bristers-Ox Line #183 115kV Electric Transmission Line Rebuild
Fauquier and Prince William Counties, Virginia
DHR File No. 2022-4413

Dear Ms. Reid,

We have received your request for comments on the project referenced above. The undertaking, as presented, involves the rebuild of 15 miles of existing transmission line. Our comments are provided as technical assistance to Dominion. We have not been notified by any state or federal agency of their involvement in this project; however, we reserve the right to provide additional comment pursuant to the National Historic Preservation Act, if applicable.

The submission states that Dominion plans to prepare an application for a certificate of public convenience and necessity (CPCN) from the State Corporation Commission (SCC). Typically, we recommend that Dominion follows the *Guidelines for Assessing Impacts of Proposed Electric Transmission Lines and Associated Facilities on Historic Resources in the Commonwealth of Virginia*, developed by DHR and the SCC to assist project proponents in developing transmission line projects that minimize impacts to historic resources.

Generally, we recommend that the project proponent establish a study area for each route alternative under consideration and gather information on known resources. A qualified cultural resources consultant in the appropriate discipline should perform an assessment of impact for each known historic resource present within the proposed study area.

Once the route alternatives have been finalized, DHR recommends that full archaeological and architectural surveys be performed to determine the effect of the project on all historic resources listed in or eligible for listing in the National Register. This process involves the identification and recordation of all archaeological sites and structures greater than 50 years of age, the evaluation of those resources for listing in the National Register, determining the degree of impact of the project on eligible resources, and developing a plan to avoid, minimize, or mitigate any negative impacts. Comments received from the public or other stakeholder

Western Region Office
962 Kime Lane
Salem, VA 24153
Tel: (540) 387-5443
Fax: (540) 387-5446

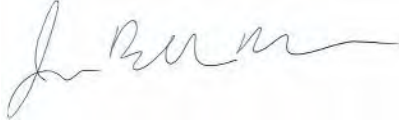
Northern Region Office
5357 Main Street
PO Box 519
Stephens City, VA 22655
Tel: (540) 868-7029
Fax: (540) 868-7033

Eastern Region Office
2801 Kensington Avenue
Richmond, VA 23221
Tel: (804) 367-2323
Fax: (804) 367-2391

regarding impacts to specific historic resources should be addressed as part of this survey and assessment process.

Thank you for seeking our comments on this project. If you have any questions at this time, please do not hesitate to contact me at jennifer.bellville-marrion@dhr.virginia.gov.

Sincerely,

A handwritten signature in blue ink, appearing to read "J. Bellville-Marrion", with a long horizontal flourish extending to the right.

Jenny Bellville-Marrion, Project Review Archaeologist
Review and Compliance Division



Commonwealth of Virginia

VIRGINIA DEPARTMENT OF ENVIRONMENTAL QUALITY

1111 E. Main Street, Suite 1400, Richmond, Virginia 23219

P.O. Box 1105, Richmond, Virginia 23218

(800) 592-5482 FAX (804) 698-4178

www.deq.virginia.gov

Travis A. Voyles
Secretary of Natural and Historic Resources

Michael S. Rolband, PE, PWD, PWS Emeritus
Director
(804) 698-4020

MEMORANDUM

TO: James P. Young, Dominion Energy

FROM: Daniel Moore, Principal Environmental Planner

DATE: June 28, 2021

SUBJECT: Dominion Energy Proposed Line #183 Partial Rebuild Project – Fauquier and Prince William and Counties

We have reviewed the EA for the proposed project and offer the following comments regarding consistency with the provisions of the *Chesapeake Bay Preservation Area Designation and Management Regulations* (Regulations):

In Prince William County, the areas protected by the Chesapeake Bay Preservation Act, as locally implemented, require conformance with performance criteria. These areas include Resource Protection Areas (RPAs) and Resource Management Areas (RMAs) as designated by the local government. RPAs include tidal wetlands, certain non-tidal wetlands and tidal shores. RPAs also include a 100-foot vegetated buffer area located adjacent to and landward of these features and along both sides of any water body with perennial flow. RMAs, which require less stringent performance criteria, include all areas of each county not included in the RPAs. Fauquier County is not subject to the Chesapeake Bay Preservation Act or the Regulations.

The Partial Rebuild Project involves the replacement of aging infrastructure at the end of its serviceable life on the existing 115 kV Brister-Ox Line #183. The proposed rebuild will include standard 230 kV construction and occur on a 15-mile segment of an existing 23.6-mile segment between Structure #183/12 and Structure #183/134. The rebuild will include replacement of structures, conductors and shield wire within existing right-of-way along Line #183.

The proposed project is considered exempt from §9 VAC 25-830-150 B 2 of the Regulations provided the proposed electrical transmission lines in accord with the following conditions:

- (a) to the degree possible, the location of such utilities and facilities should be outside the RPA;
- (b) no more land shall be disturbed than is necessary to provide for the proposed utility installation;
- (c) all such construction, installation and maintenance of such utilities and facilities shall be in compliance with all applicable state and federal permits and designed and conducted in a manner that protects water quality; and
- (d) any land disturbance exceeding an area of 2,500 square feet complies with all erosion and sediment control regulations promulgated pursuant to the *Virginia Erosion and Sediment Control Law* and the *Virginia Stormwater Management Act*, (ii) an erosion and sediment control plan and a stormwater management plan approved by DEQ, or (iii) local water quality protection criteria at least as stringent as the above state requirements.

Provided adherence to the above requirements, the proposed activity would be consistent with the Regulations and the *Chesapeake Bay Preservation Act*.

From: [ImpactReview](#)
To: [Nancy R Reid \(Services - 6\)](#)
Cc: [Martha Little](#)
Subject: [EXTERNAL] FW: Dominion Energy Virginia's Proposed Line #183 Partial Rebuild Project, Fauquier and Prince William Counties, Virginia
Date: Friday, June 24, 2022 11:38:50 AM

CAUTION! This message was NOT SENT from DOMINION ENERGY

Are you expecting this message to your DE email? Suspicious? Use PhishAlarm to report the message. Open a browser and type in the name of the trusted website instead of clicking on links. DO NOT click links or open attachments until you verify with the sender using a known-good phone number. Never provide your DE password.

Ms. Reid,

The Virginia Outdoors Foundation has reviewed the project referenced above. As of June 24, 2022, there are not any existing nor proposed VOF open-space easements in the immediate vicinity of the project.

Please contact VOF again for further review if the project area changes or if this project does not begin within 24 months. Thank you for considering conservation easements.

Thanks,
Mike

Mike Hallock-Solomon, AICP
Virginia Outdoors Foundation

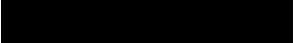
From: Nancy.R.Reid@dominionenergy.com <Nancy.R.Reid@dominionenergy.com>
Sent: Wednesday, June 22, 2022 5:45:48 PM
To: Martha Little <mlittle@vof.org>
Cc: james.p.young@dominionenergy.com <james.p.young@dominionenergy.com>; jvalaika@mcguirewoods.com <jvalaika@mcguirewoods.com>
Subject: Dominion Energy Virginia's Proposed Line #183 Partial Rebuild Project, Fauquier and Prince William Counties, Virginia

Alert: This email originated from outside VOF
Ms. Little,

Please see the attached letter and project map notifying you that Dominion Energy Virginia (the "Company") is to partially rebuild the existing 115 kV Bristers-Ox Line #183 (the "Rebuild Project") within Fauquier and Prince William Counties, Virginia.

Please contact me with any questions or for additional information.

Nancy

Nancy Reid
Siting & Permitting Specialist
DEQ Dual Combined Administrator
Electric Transmission
10900 Nuckols Rd, 4th Floor
Glen Allen, VA 23060


CONFIDENTIALITY NOTICE: This electronic message contains information which may be legally confidential and or privileged and does not in any case represent a firm ENERGY COMMODITY bid or offer relating thereto which binds the sender without an additional express written confirmation to that effect. The information is intended solely for the individual or entity named above and access by anyone else is unauthorized. If you are not the intended recipient, any disclosure, copying, distribution, or use of the contents of this information is prohibited and may be unlawful. If you have received this electronic transmission in error, please reply immediately to the sender that you have received the message in error, and delete it. Thank you.

From: [ImpactReview](#)
To: [Fulcher, Valerie](#); [James P Young \(Services - 6\)](#)
Cc: [eir@deq.virginia.gov](#); [Nancy R Reid \(Services - 6\)](#)
Subject: [EXTERNAL] RE: NEW SCOPING Line 183 Partial Rebuild Project
Date: Wednesday, June 29, 2022 3:15:13 PM

CAUTION! This message was NOT SENT from DOMINION ENERGY

Are you expecting this message to your DE email? Suspicious? Use PhishAlarm to report the message. Open a browser and type in the name of the trusted website instead of clicking on links. DO NOT click links or open attachments until you verify with the sender using a known-good phone number. Never provide your DE password.

Mr. Young,

The Virginia Outdoors Foundation appreciates the early notice provided for this project by Dominion. VOF has reviewed the project referenced above. As of June 29, 2022, there are not any existing nor proposed VOF open-space easements in the immediate vicinity of the project.

Please contact VOF again for further review if the project area changes or if this project does not begin within 24 months. Thank you for considering conservation easements.

Thanks,
Mike

Mike Hallock-Solomon, AICP
Virginia Outdoors Foundation

From: Fulcher, Valerie <valerie.fulcher@deq.virginia.gov>
Sent: Tuesday, June 28, 2022 9:06 AM
Cc: james.p.young@dominionenergy.com
Subject: NEW SCOPING Line 183 Partial Rebuild Project

Alert: This email originated from outside VOF

Good morning—attached is a request for scoping comments on the following:

Dominion Energy Virginia's Proposed Line #183 Partial Rebuild Project, Fauquier and Prince William Counties, Virginia

If you choose to make comments, please send them directly to the project sponsor (james.p.young@dominionenergy.com) and copy the DEQ Office of Environmental Impact Review: eir@deq.virginia.gov. We will coordinate a review when the environmental document is completed.

DEQ-OEIR's scoping response is also attached.

If you have any questions regarding this request, please email our office at eir@deq.virginia.gov.

Valerie

--

Valerie A. Fulcher, CAP, OM, Admin/Data Coordinator Senior

Department of Environmental Quality

Environmental Enhancement - Office of Environmental Impact Review

1111 East Main Street

Richmond, VA 23219

NEW PHONE NUMBER: 804-659-1550

Email: Valerie.Fulcher@deq.virginia.gov

<https://www.deq.virginia.gov/permits-regulations/environmental-impact-review>

OUR ENFORCEABLE POLICIES HAVE BEEN UPDATED FOR 2021: <https://www.deq.virginia.gov/permits-regulations/environmental-impact-review/federal-consistency>

For program updates and public notices please subscribe to Constant Contact: <https://lp.constantcontact.com/su/MVcCump/EIR>

Valaika, Jennifer Dvorak

From: Didier, Karl <karl.didier@dof.virginia.gov>
Sent: Thursday, June 23, 2022 9:37 AM
To: James P Young (Services - 6)
Subject: [EXTERNAL] Re: Dominion Energy Virginia's Proposed Line #183 Partial Rebuild Project, Fauquier and Prince William Counties, Virginia

CAUTION! This message was NOT SENT from DOMINION ENERGY

Are you expecting this message to your DE email? Suspicious? Use PhishAlarm to report the message. Open a browser and type in the name of the trusted website instead of clicking on links. DO NOT click links or open attachments until you verify with the sender using a known-good phone number. Never provide your DE password.

Thank you James. We will send you any comments we have.

Best,

Karl Didier, PhD
Forestland Conservation Program Manager
Virginia Department of Forestry
(434) 459-8278
karl.didier@dof.virginia.gov
[Website](#)

On Wed, Jun 22, 2022 at 4:51 PM james.p.young@dominionenergy.com <james.p.young@dominionenergy.com> wrote:
Mr. Didier,

Please see the attached letter and project map notifying you that Dominion Energy Virginia (the "Company") is to partially rebuild the existing 115 kV Bristers-Ox Line #183 (the "Rebuild Project") within Fauquier and Prince William Counties, Virginia.

Please contact me with any questions or for additional information.

Thank you,

[James P. Young, PWS](#)

DEES ET Contractor

Dominion Energy

120 Tredegar Street, Richmond, VA 23219



CONFIDENTIALITY NOTICE: This electronic message contains information which may be legally confidential and or privileged and does not in any case represent a firm ENERGY COMMODITY bid or offer relating thereto which binds the sender without an additional express written confirmation to that effect. The information is intended solely for the individual or entity named above and access by anyone else is unauthorized. If you are not the intended recipient, any disclosure, copying, distribution, or use of the contents of this information is prohibited and may be unlawful. If you have received this electronic transmission in error, please reply immediately to the sender that you have received the message in error, and delete it. Thank you.

From: [Nancy R Reid \(Services - 6\)](#)
To: [Burke, Richard](#)
Cc: [Shannon, Steven](#); [Bobby Shetley](#); [James P Young \(Services - 6\)](#); [Jennifer Valaika](#)
Subject: RE: [EXTERNAL] Re: Re: Dominion Energy Virginia's Proposed Line #183 Partial Rebuild Project, Fauquier and Prince William Counties, Virginia
Date: Thursday, June 23, 2022 7:49:00 AM

Dic,

Thank you for your help!!

Have an awesome day

From: Burke, Richard <richard.burke@vdot.virginia.gov>
Sent: Thursday, June 23, 2022 7:45 AM
To: Nancy R Reid (Services - 6) <Nancy.R.Reid@dominionenergy.com>
Cc: Shannon, Steven <steven.shannon@vdot.virginia.gov>; Bobby Shetley <Bobby.Shetley@vdot.virginia.gov>; James P Young (Services - 6) <james.p.young@dominionenergy.com>; Jennifer Valaika <jvalaika@mcguirewoods.com>
Subject: [EXTERNAL] Re: Re: Dominion Energy Virginia's Proposed Line #183 Partial Rebuild Project, Fauquier and Prince William Counties, Virginia

CAUTION! This message was NOT SENT from DOMINION ENERGY

Are you expecting this message to your DE email? Suspicious? Use PhishAlarm to report the message. Open a browser and type in the name of the trusted website instead of clicking on links. DO NOT click links or open attachments until you verify with the sender using a known-good phone number. Never provide your DE password.

Nancy --

Good morning, I forwarded it to our counterpart in Fauquier VDOT (Mark Nesbit - Resident Engineer) also. If you need his contact information.

Dic Burke
Transportation Director / NOVA District
Virginia Department of Transportation
703-366-1935
Richard.Burke@VDOT.Virginia.gov

On Thu, Jun 23, 2022 at 7:42 AM Nancy.R.Reid@dominionenergy.com <Nancy.R.Reid@dominionenergy.com> wrote:

| Good morning!

Thank you for forwarding and I will update my contact list.

Have a fantastic day,
Nancy

From: Shannon, Steven <steven.shannon@vdot.virginia.gov>
Sent: Wednesday, June 22, 2022 7:01 PM
To: Bobby Shetley <Bobby.Shetley@vdot.virginia.gov>; Dic Burke <Richard.Burke@vdot.virginia.gov>; Nancy R Reid (Services - 6) <Nancy.R.Reid@dominionenergy.com>
Cc: James P Young (Services - 6) <james.p.young@dominionenergy.com>; Jennifer Valaika <jvalaika@mcguirewoods.com>
Subject: [EXTERNAL] Re: Dominion Energy Virginia's Proposed Line #183 Partial Rebuild Project, Fauquier and Prince William Counties, Virginia

CAUTION! This message was NOT SENT from DOMINION ENERGY

Are you expecting this message to your DE email? Suspicious? Use PhishAlarm to report the message. Open a browser and type in the name of the trusted website instead of clicking on links. DO NOT click links or open attachments until you verify with the sender using a known-good phone number. Never provide your DE password.

Hi Nancy, I am no longer in Prince William but I've included my replacement as well as our land-use director for Prince William. Thanks again.

Steve

On Wed, Jun 22, 2022 at 17:46 Nancy.R.Reid@dominionenergy.com <Nancy.R.Reid@dominionenergy.com> wrote:

Mr. Shannon,

Please see the attached letter and project map notifying you that Dominion Energy Virginia (the "Company") is to partially rebuild the existing 115 kV Bristers-Ox Line #183 (the "Rebuild Project") within Fauquier and Prince William Counties, Virginia.

Please contact me with any questions or for additional information.

Nancy

Nancy Reid
Siting & Permitting Specialist
DEQ Dual Combined Administrator
Electric Transmission
[10900 Nuckols Rd, 4th Floor](#)

Glen Allen, VA 23060


CONFIDENTIALITY NOTICE: This electronic message contains information which may be legally confidential and or privileged and does not in any case represent a firm ENERGY COMMODITY bid or offer relating thereto which binds the sender without an additional express written confirmation to that effect. The information is intended solely for the individual or entity named above and access by anyone else is unauthorized. If you are not the intended recipient, any disclosure, copying, distribution, or use of the contents of this information is prohibited and may be unlawful. If you have received this electronic transmission in error, please reply immediately to the sender that you have received the message in error, and delete it. Thank you.

--

Steve Shannon
VDOT Fairfax Residency Maintenance Administrator
703-259-2357
Email: steven.shannon@vdot.virginia.gov

CONFIDENTIALITY NOTICE: This electronic message contains information which may be legally confidential and or privileged and does not in any case represent a firm ENERGY COMMODITY bid or offer relating thereto which binds the sender without an additional express written confirmation to that effect. The information is intended solely for the individual or entity named above and access by anyone else is unauthorized. If you are not the intended recipient, any disclosure, copying, distribution, or use of the contents of this information is prohibited and may be unlawful. If you have received this electronic transmission in error, please reply immediately to the sender that you have received the message in error, and delete it. Thank you.

From: [Heironimus, David](#)
To: [Nancy R Reid \(Services - 6\)](#)
Cc: [James P Young \(Services - 6\)](#); [Jennifer Valaika](#)
Subject: [EXTERNAL] Re: Re: Dominion Energy Virginia's Proposed Line #183 Partial Rebuild Project, Fauquier and Prince William Counties, Virginia
Date: Thursday, June 23, 2022 2:14:01 PM

CAUTION! This message was NOT SENT from DOMINION ENERGY

Are you expecting this message to your DE email? Suspicious? Use PhishAlarm to report the message. Open a browser and type in the name of the trusted website instead of clicking on links. DO NOT click links or open attachments until you verify with the sender using a known-good phone number. Never provide your DE password.

Thank you Nancy,

I will have this reviewed and will respond within the next ten days.

Regards,

Dave Heironimus

Area Land Use Permit Manager-PWC

VDOT Prince William Permits

10228 Residency Road

Manassas, VA 20110

Office: 703-366-1915

[REDACTED]

David.Heironimus@VDOT.Virginia.gov



<https://www.virginiadot.org/>

On Thu, Jun 23, 2022 at 9:34 AM Nancy.R.Reid@dominionenergy.com
<Nancy.R.Reid@dominionenergy.com> wrote:

Dave,

Below are the roadways in question. Some may not be VDOT maintained but it should give you an idea of location.

- Prince William County
 - Joplin (Rt 619)
 - Dumfries Rd (HWY 234)
 - Colchester Park Dr
 - Conway Dr
 - Idlebrook Ct
 - Alps Dr
 - Colony Creek Ct
 - Anthony Dr
 - Spriggs Branch Rd
 - Riverside Dr
 - Spriggs Rd
 - Princedale Dr
 - Mapledale Ave
 - Lindendale Rd
 - Ermine Ct
 - Delaney Rd

From: Heironimus, David <david.heironimus@vdot.virginia.gov>

Sent: Thursday, June 23, 2022 8:17 AM

To: Nancy R Reid (Services - 6) <Nancy.R.Reid@dominionenergy.com>

Cc: James P Young (Services - 6) <james.p.young@dominionenergy.com>; Jennifer Valaika <jvalaika@mcguirewoods.com>

Subject: [EXTERNAL] Re: Dominion Energy Virginia's Proposed Line #183 Partial Rebuild Project, Fauquier and Prince William Counties, Virginia

CAUTION! This message was NOT SENT from DOMINION ENERGY

Are you expecting this message to your DE email? Suspicious? Use PhishAlarm to report the message. Open a browser and type in the name of the trusted website instead of clicking on links. DO NOT click links or open attachments until you verify with the sender using a known-good phone number. Never provide your DE password.

Nancy,

Please provide me with a list of the VDOT maintained roadways that the 115 kV Bristers-Ox Line #183 rebuild currently crosses within Prince William County.

Regards,

Dave Heironimus

Area Land Use Permit Manager-PWC

VDOT Prince William Permits

10228 Residency Road

Manassas, VA 20110

Office: 703-366-1915

[REDACTED]

David.Heironimus@VDOT.Virginia.gov

[REDACTED]

<https://www.virginiadot.org/>

On Wed, Jun 22, 2022 at 5:46 PM Nancy.R.Reid@dominionenergy.com
<Nancy.R.Reid@dominionenergy.com> wrote:

David,

Please see the attached letter and project map notifying you that Dominion Energy Virginia (the “Company”) is to partially rebuild the existing 115 kV Bristers-Ox Line #183 (the “Rebuild Project”) within Fauquier and Prince William Counties, Virginia.

Please contact me with any questions or for additional information.

Nancy

Nancy Reid

Siting & Permitting Specialist

DEQ Dual Combined Administrator

Electric Transmission

10900 Nuckols Rd, 4th Floor

Glen Allen, VA 23060



CONFIDENTIALITY NOTICE: This electronic message contains information which may be legally confidential and or privileged and does not in any case represent a firm ENERGY COMMODITY bid or offer relating thereto which binds the sender without an additional express written confirmation to that effect. The information is intended solely for the individual or entity named above and access by anyone else is unauthorized. If you are not the intended recipient, any disclosure, copying, distribution, or use of the contents of this information is prohibited and may be unlawful. If you have received this electronic transmission in error, please reply immediately to the sender that you have received the message in error, and delete it. Thank you.

CONFIDENTIALITY NOTICE: This electronic message contains information which may be legally confidential and or privileged and does not in any case represent a firm ENERGY COMMODITY bid or offer relating thereto which binds the sender without an additional express written confirmation to that effect. The information is intended solely for the individual or entity named above and access by anyone else is unauthorized. If you are not the intended recipient, any disclosure, copying, distribution, or use of the contents of this information is prohibited and may be unlawful. If you have received this electronic transmission in error, please reply immediately to the sender that you have received the message in error, and delete it. Thank you.

From: [Nancy R Reid \(Services - 6\)](#)
To: [Scott Denny](#)
Subject: RE: [EXTERNAL] Re: Dominion Energy Virginia's Proposed Line #183 Partial Rebuild Project, Fauquier and Prince William Counties, Virginia
Date: Thursday, June 23, 2022 1:39:27 PM

Thank you for reviewing the proposed project and if anything changes, I will file a 4760.

Have a fantastic day!

Nancy

From: Scott Denny <scott.denny@doav.virginia.gov>
Sent: Thursday, June 23, 2022 1:23 PM
To: Nancy R Reid (Services - 6) <Nancy.R.Reid@dominionenergy.com>
Subject: [EXTERNAL] Re: Dominion Energy Virginia's Proposed Line #183 Partial Rebuild Project, Fauquier and Prince William Counties, Virginia

CAUTION! This message was NOT SENT from DOMINION ENERGY

Are you expecting this message to your DE email? Suspicious? Use PhishAlarm to report the message. Open a browser and type in the name of the trusted website instead of clicking on links. DO NOT click links or open attachments until you verify with the sender using a known-good phone number. Never provide your DE password.

Ms. Reid:

The Virginia Department of Aviation has reviewed the proposed Line # 183 Partial Rebuild project in Fauquier and Prince William County. Following our review it appears as though the proposed project is located beyond 20,000 linear feet from a public use airfield or military airfield. Therefore, unless any of the proposed structures supporting the powerlines or unless a temporary crane used to erect the replacement towers or lines exceeds 200' above ground level, no 4760 form is required to be submitted to the FAA for review.

Please let me know if you have any questions regarding this matter.

Sincerely,

S. Scott Denny
Senior Aviation Planner
Virginia Department of Aviation

On Wed, Jun 22, 2022 at 5:46 PM Nancy.R.Reid@dominionenergy.com
<Nancy.R.Reid@dominionenergy.com> wrote:

Scott,

Please see the attached letter and project map notifying you that Dominion Energy Virginia

(the "Company") is to partially rebuild the existing 115 kV Bristers-Ox Line #183 (the "Rebuild Project") within Fauquier and Prince William Counties, Virginia.

Please contact me with any questions or for additional information.

Nancy

Nancy Reid
Siting & Permitting Specialist
DEQ Dual Combined Administrator
Electric Transmission
10900 Nuckols Rd, 4th Floor
Glen Allen, VA 23060


CONFIDENTIALITY NOTICE: This electronic message contains information which may be legally confidential and or privileged and does not in any case represent a firm ENERGY COMMODITY bid or offer relating thereto which binds the sender without an additional express written confirmation to that effect. The information is intended solely for the individual or entity named above and access by anyone else is unauthorized. If you are not the intended recipient, any disclosure, copying, distribution, or use of the contents of this information is prohibited and may be unlawful. If you have received this electronic transmission in error, please reply immediately to the sender that you have received the message in error, and delete it. Thank you.

--

S. Scott Denny
Senior Aviation Planner
Virginia Department of Aviation
804-236-3638
scott.denny@doav.virginia.gov