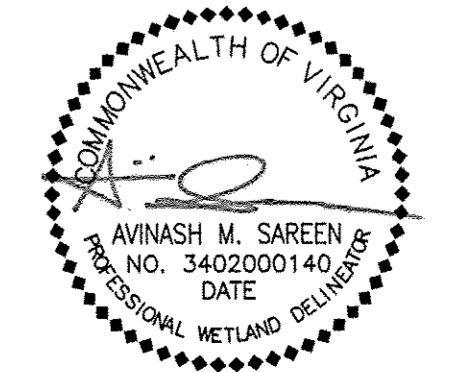
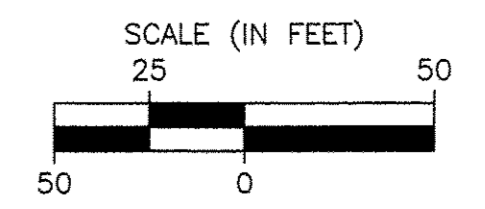


**LEGEND**

	PERENNIAL WATERS OF THE U.S. (R3)
	EPHEMERAL WATERS OF THE U.S. (RE)
	OFFSITE PERENNIAL WATERS OF THE U.S. (R3)
	OFFSITE INTERMITTENT WATERS OF THE U.S. (R4)
	OFFSITE EPHEMERAL WATERS OF THE U.S. (RE)
	OFFSITE PALUSTRINE SCRUB-SHRUB (PSS) WETLANDS
	APPROX. DATAPPOINT LOCATION
	STUDY AREA
	*SITE-SPECIFIC RESOURCE PROTECTION AREA (RPA)
	CITY-MAPPED RPA
	100-YEAR FEMA FLOODPLAIN BOUNDARY

**NOTES:**

1. THE WETLAND DELINEATION WAS CONDUCTED BY TNT ENVIRONMENTAL, INC. (TNT) IN SEPTEMBER 2019. EXISTING CONDITION, TOPOGRAPHY AND WETLAND FLAGS WERE SURVEYED BY CHARLES P. JOHNSON & ASSOCIATES, INC. (2019).
2. THE WETLAND AND OTHER WATERS OF THE U.S. BOUNDARIES DEPICTED HEREON WERE CONFIRMED BY THE US ARMY CORPS OF ENGINEERS (USACE) DURING A JURISDICTIONAL DETERMINATION (USACE PROJECT NO. 2019-02118, DATED DECEMBER 26, 2019).
3. \*THE STREAM CLASSIFICATIONS AND SITE-SPECIFIC RESOURCE PROTECTION AREA (RPA) BOUNDARY SHOWN HEREON SHOULD BE CONSIDERED PRELIMINARY UNTIL APPROVED BY THE CITY OF FAIRFAX.
4. \*THE OFFSITE INTERMITTENT STREAM WAS NOT INCLUDED IN THE SITE-SPECIFIC RPA. THE CITY OF FAIRFAX CHESAPEAKE BAY PRESERVATION ORDINANCE STATES THAT "INTERMITTENT STREAMS THAT REMAIN LARGELY IN A NATURAL CONDITION AND THAT HAVE NOT BEEN SIGNIFICANTLY IMPACTED BY ADJACENT DEVELOPMENT" CAN BE INCLUDED IN THE RPA. THE INTERMITTENT STREAM LOCATED DIRECTLY OFFSITE HAS BEEN SIGNIFICANTLY IMPACTED BY THE ADJACENT SANITARY SEWER EASEMENT AND PEDESTRIAN TRAIL LOCATED DIRECTLY TO ITS EAST. ADDITIONALLY, THE STREAM ORIGINATES FROM A CULVERT AND CONTAINS RIPRAP.
5. \*THIS OFFSITE AREA WAS ORIGINALLY MAPPED IN 2003 AS AN INTERMITTENT STREAM WITH AN ASSOCIATED CITY-MAPPED RESOURCE PROTECTION AREA IN THE "STREAM ASSESSMENT/MAPPING AND CHESAPEAKE PRESERVATION AREA MAPPING PROJECT" DONE BY WSSI. DURING TNT'S SITE VISIT IN SEPTEMBER 2019, THE AREA APPEARED TO HAVE CHANGED SIGNIFICANTLY FROM THE 2003 CONDITIONS DETAILED IN THE 2003 REPORT. THE AREA TO THE WEST OF THE FEATURE IS NO LONGER WOODED, AND SEVERAL DOWNED TREES WERE LOCATED JUST SOUTH OF THE EXISTING CULVERT AT FLAGS E6/E7 WITHIN THE FEATURE. TNT HAS CLASSIFIED THE FEATURE AS AN OFFSITE EPHEMERAL STREAM AND PALUSTRINE SCRUB-SHRUB WETLAND ORIGINATING FROM AN EXISTING CULVERT. THE WETLAND ORIGINATES FROM THE EXISTING CULVERT AND FLOWS INTO AN EPHEMERAL STREAM THAT REACHES THE MAPPED PERENNIAL STREAM, ACCOTINK CREEK. ADDITIONALLY, IT IS APPARENT THAT THIS AREA IS NO LONGER IN ITS NATURAL STATE. IT IS TNT'S OPINION THAT THERE IS NO RPA ASSOCIATED WITH THESE OFFSITE FEATURES. THE RPA ACROSS PRESBYTERIAN WAY IS ASSOCIATED WITH THE 100-FOOT OFFSET FROM THE PERENNIAL STREAM, ACCOTINK CREEK.



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**TNT ENVIRONMENTAL**

**FAIRFAX PRESBYTERIAN CHURCH**

RESOURCE PROTECTION AREA DELINEATION

REVISIONS

DATE	COMMENTS

SHEET 2 OF 6

SCALE: 1" = 50'

PROJECT DATE: 1/3/20

DRAFT: TWW	CHECK: AMS
FILE NUMBER: 1708	



**WETLAND DETERMINATION DATA FORM - Eastern Mountains and Piedmont Region**

Project/Site: Fairfax Presbyterian Church City/County: City of Fairfax Sampling Date: 2019-09-04  
 Applicant/Owner: Habitat for Humanity of Northern Virginia State: Virginia Sampling Point: DP-1  
 Investigator(s): TNT Environmental, Inc. - J. Moore, T. Wilkins Section, Township, Range:  
 Landform (hillslope, terrace, etc.): Floodplain Local relief (concave, convex, none): None Slope (%): 2  
 Subregion (LRR or MLRA): S 148 Lat: 38.849602 Long: -77.317090 Datum: WGS 84  
 Soil Map Unit Name: 39C - Glenelg silt loam NWI classification: NIA  
 Are climatic/hydrologic conditions on the site typical for this time of year? Yes  No   
 Are Vegetation  Soil  or Hydrology  significantly disturbed? Are "Normal Circumstances" present? Yes  No   
 Are Vegetation  Soil  or Hydrology  naturally problematic? (If needed, explain any answers in Remarks.)

**SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc.**

Hydrophytic Vegetation Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Is the Sampled Area within a Wetland?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Hydric Soil Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		
Wetland Hydrology Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		

Remarks:  
 Data point taken in uplands within constructed storm easement outside flag AA-4. The vegetation, hydrology, and soil have been impacted by the construction of the easement in this area.  
 It should be noted that precipitation for Virginia is "below average" according to NOAA's Statewide Precipitation Ranks for September/October 2019.

**HYDROLOGY**

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

**Field Observations:**

Surface Water Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Depth (inches):
Water Table Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Depth (inches):
Saturation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Depth (inches):
Wetland Hydrology Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:  
 Remarks:  
 One secondary wetland hydrology indicator observed at this data point.

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**VEGETATION (Five Strata) - Use scientific names of plants.**

Sampling Point: DP-1

Tree Stratum (Plot size: 30 ft <sup>2</sup> )	Absolute % Cover	Dominant Species?	Indicator Status
1. <u>Acer rubrum</u>	<u>25</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> FAC
50% of total cover: <u>13</u> 25% = Total Cover			
Strata Summary:			
1. <u>Acer rubrum</u>	<u>15</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> FAC
2. <u>Acer negundo</u>	<u>20</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> FAC
50% of total cover: <u>18</u> 20% of total cover: <u>7</u>			
Shrub Stratum (Plot size: 15 ft <sup>2</sup> )			
1. <u>Lonicera tatarica</u>	<u>25</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> FACU
50% of total cover: <u>13</u> 20% of total cover: <u>5</u>			
Herb Stratum (Plot size: 5 ft <sup>2</sup> )			
1. <u>Hedera helix</u>	<u>70</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> FACU
2. <u>Lonicera japonica</u>	<u>10</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> FACU
3. <u>Smilax rotundifolia</u>	<u>2</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> FAC
4. <u>Fragaria vesca</u>	<u>2</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> FACU
50% of total cover: <u>84</u> 20% of total cover: <u>17</u>			
Woody Vine Stratum (Plot size: 30 ft <sup>2</sup> )			
50% of total cover: <u>42</u> 20% of total cover: <u>17</u>			

Remarks: (include photo numbers here or on a separate sheet.)  
 Hydrophytic vegetation dominant at this data point.

**Dominance Test worksheet:**  
 Number of Dominant Species That Are OBL, FACW, or FAC: 3 (A)  
 Total Number of Dominant Species Across All Strata: 5 (B)  
 Percent of Dominant Species That Are OBL, FACW, or FAC: 60 (A/B)

**Prevalence Index worksheet:**  
 Total % Cover of: 25 Multiply by:  
 OBL species: 0 x 1 = 0  
 FACW species: 0 x 2 = 0  
 FAC species: 62 x 3 = 186  
 FACU species: 107 x 4 = 428  
 UPL species: 0 x 5 = 0  
 Column Totals: 169 (A) 614 (B)  
 Prevalence Index = B/A = 3.6

**Hydrophytic Vegetation Indicators:**  
 1 - Rapid Test for Hydrophytic Vegetation  
 2 - Dominance Test is >60%  
 3 - Prevalence Index is ≥ 3.0  
 4 - Morphological Adaptations (Provide supporting data in Remarks or on a separate sheet)  
 Problematic Hydrophytic Vegetation (Explain)

**Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.**

**Definitions of Five Vegetation Strata:**  
**Tree** - Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and 3 in. (7.6 cm) or larger in diameter at breast height (DBH).  
**Shrub** - Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and less than 3 in. (7.6 cm) DBH.  
**Woody vine** - All woody vines, regardless of height.  
**Herb** - All herbaceous (non-woody) plants, including herbaceous vines, regardless of size, and woody plants, except woody vines, less than approximately 3 ft (1 m) in height.  
**Woody vine** - All woody vines, regardless of height.

**Hydrophytic Vegetation Present?** Yes  No

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**SOIL**

Sampling Point: DP-1

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Color (moist)	%	Color (moist)	%	Type	Loc <sup>1</sup>	Texture	Remarks
0-6	10YR 4/3	100					Silt Loam	

Type: C Concentration, D Depletion, RM Reduced Matrix, MS Masked Sand Grains. Location: PL Pore Lining, M Matrix.

**Hydric Soil Indicators:**  
 Histosol (A1)  Dark Surface (S7)  Indicators for Problematic Hydric Soils:  
 Histic Epipedon (A2)  Polyvalue Below Surface (S8) (MLRA 147, 148)  2 cm Muck (A10) (MLRA 147)  
 Black Histic (A3)  Thin Dark Surface (S9) (MLRA 147, 148)  Coastal Prairie Redox (A16) (MLRA 147, 148)  
 Hydrogen Sulfide (A4)  Loamy Gleyed Matrix (F2)  Piedmont Floodplain Soils (F19)  
 Stratified Layers (A5)  Depleted Matrix (F3)  (MLRA 136, 147)  
 2 cm Muck (A10) (LRR N)  Redox Dark Surface (F6)  Very Shallow Dark Surface (TF12)  
 Depleted Below Dark Surface (A11)  Depleted Dark Surface (F7)  Other (Explain in Remarks)  
 Thick Dark Surface (A12)  Redox Depressions (F8)  
 Sandy Mucky Mineral (S1) (LRR N, MLRA 147, 148)  Iron-Manganese Masses (F12) (LRR N, MLRA 136)  
 Sandy Gleyed Matrix (S4)  Umbric Surface (F13) (MLRA 136, 122)  Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.  
 Sandy Redox (S5)  Piedmont Floodplain Soils (F19) (MLRA 148)  
 Stripped Matrix (S6)  Red Parent Material (F21) (MLRA 127, 147)

**Restrictive Layer (if observed):**  
 Type: Rock/Root  
 Depth (inches): 6 Hydric Soil Present? Yes  No

Remarks:  
 Hydric soil not present at this data point.

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**WETLAND DETERMINATION DATA FORM - Eastern Mountains and Piedmont Region**

Project/Site: Fairfax Presbyterian Church City/County: City of Fairfax Sampling Date: 2019-10-08  
 Applicant/Owner: Habitat for Humanity of Northern Virginia State: Virginia Sampling Point: DP-2  
 Investigator(s): TNT Environmental, Inc. - J. Moore, T. Wilkins Section, Township, Range:  
 Landform (hillslope, terrace, etc.): Depression Local relief (concave, convex, none): Concave Slope (%): 0  
 Subregion (LRR or MLRA): S 148 Lat: 38.849182 Long: -77.317617 Datum: WGS 84  
 Soil Map Unit Name: B3B - Sumnerck silt loam NWI classification: NIA  
 Are climatic/hydrologic conditions on the site typical for this time of year? Yes  No   
 Are Vegetation  Soil  or Hydrology  significantly disturbed? Are "Normal Circumstances" present? Yes  No   
 Are Vegetation  Soil  or Hydrology  naturally problematic? (If needed, explain any answers in Remarks.)

**SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc.**

Hydrophytic Vegetation Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Is the Sampled Area within a Wetland?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Hydric Soil Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		
Wetland Hydrology Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		

Remarks:  
 Data point taken within PEM/PSS wetlands at flag E6.  
 It should be noted that precipitation for Virginia is "below average" according to NOAA's Statewide Precipitation Ranks for September/October 2019.

**HYDROLOGY**

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

**Field Observations:**

Surface Water Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Depth (inches):
Water Table Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Depth (inches):
Saturation Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Depth (inches): <u>0</u>
Wetland Hydrology Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:  
 Remarks:  
 Wetland hydrology observed at this data point.

US Army Corps of Engineers Eastern Mountains and Piedmont - Version 2.0

**VEGETATION (Five Strata) - Use scientific names of plants.**

Sampling Point: DP-2

Tree Stratum (Plot size: 30 ft <sup>2</sup> )	Absolute % Cover	Dominant Species?	Indicator Status
1. <u>Acer rubrum</u>	<u>70</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> FACU
2. <u>Fraxinus pennsylvanica</u>	<u>20</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> FACW
50% of total cover: <u>20</u> 20% of total cover: <u>8</u>			
Shrub Stratum (Plot size: 15 ft <sup>2</sup> )			
1. <u>Panicum sagittata</u>	<u>30</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> OBL
2. <u>Carex frankii</u>	<u>30</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> OBL
3. <u>Callicarpa dichotoma</u>	<u>10</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> OBL
4. <u>Toxicodendron radicans</u>	<u>10</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> FAC
5. <u>Juncus effusus</u>	<u>5</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> FACW
50% of total cover: <u>85</u> 20% of total cover: <u>17</u>			
Woody Vine Stratum (Plot size: 30 ft <sup>2</sup> )			
50% of total cover: <u>43</u> 20% of total cover: <u>17</u>			

Remarks: (include photo numbers here or on a separate sheet.)  
 Dead green ash located in the vicinity of the data point. Hydrophytic vegetation dominates at this data point.

**Dominance Test worksheet:**  
 Number of Dominant Species That Are OBL, FACW, or FAC: 4 (A)  
 Total Number of Dominant Species Across All Strata: 4 (B)  
 Percent of Dominant Species That Are OBL, FACW, or FAC: 100 (A/B)

**Prevalence Index worksheet:**  
 Total % Cover of: 70 Multiply by:  
 OBL species: 70 x 1 = 70  
 FACW species: 25 x 2 = 50  
 FAC species: 30 x 3 = 90  
 FACU species: 0 x 4 = 0  
 UPL species: 0 x 5 = 0  
 Column Totals: 125 (A) 210 (B)  
 Prevalence Index = B/A = 1.7

**Hydrophytic Vegetation Indicators:**  
 1 - Rapid Test for Hydrophytic Vegetation  
 2 - Dominance Test is >50%  
 3 - Prevalence Index is ≥ 3.0  
 4 - Morphological Adaptations (Provide supporting data in Remarks or on a separate sheet)  
 Problematic Hydrophytic Vegetation (Explain)

**Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.**

**Definitions of Five Vegetation Strata:**  
**Tree** - Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and 3 in. (7.6 cm) or larger in diameter at breast height (DBH).  
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**Woody vine** - All woody vines, regardless of height.  
**Herb** - All herbaceous (non-woody) plants, including herbaceous vines, regardless of size, and woody plants, except woody vines, less than approximately 3 ft (1 m) in height.  
**Woody vine** - All woody vines, regardless of height.

**Hydrophytic Vegetation Present?** Yes  No

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**SOIL**

Sampling Point: DP-2

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Color (moist)	%	Color (moist)	%	Type	Loc <sup>1</sup>	Texture	Remarks
0-8	10YR 5/2	70	5YR 5/8	30	C	M	Sandy clay	

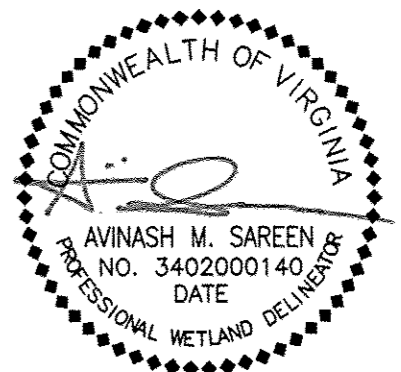
Type: C Concentration, D Depletion, RM Reduced Matrix, MS Masked Sand Grains. Location: PL Pore Lining, M Matrix.

**Hydric Soil Indicators:**  
 Histosol (A1)  Dark Surface (S7)  Indicators for Problematic Hydric Soils:  
 Histic Epipedon (A2)  Polyvalue Below Surface (S8) (MLRA 147, 148)  2 cm Muck (A10) (MLRA 147)  
 Black Histic (A3)  Thin Dark Surface (S9) (MLRA 147, 148)  Coastal Prairie Redox (A16) (MLRA 147, 148)  
 Hydrogen Sulfide (A4)  Loamy Gleyed Matrix (F2)  Piedmont Floodplain Soils (F19)  
 Stratified Layers (A5)  Depleted Matrix (F3)  (MLRA 136, 147)  
 2 cm Muck (A10) (LRR N)  Redox Dark Surface (F6)  Very Shallow Dark Surface (TF12)  
 Depleted Below Dark Surface (A11)  Depleted Dark Surface (F7)  Other (Explain in Remarks)  
 Thick Dark Surface (A12)  Redox Depressions (F8)  
 Sandy Mucky Mineral (S1) (LRR N, MLRA 147, 148)  Iron-Manganese Masses (F12) (LRR N, MLRA 136)  
 Sandy Gleyed Matrix (S4)  Umbric Surface (F13) (MLRA 136, 122)  Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.  
 Sandy Redox (S5)  Piedmont Floodplain Soils (F19) (MLRA 148)  
 Stripped Matrix (S6)  Red Parent Material (F21) (MLRA 127, 147)

**Restrictive Layer (if observed):**  
 Type:  
 Depth (inches): Hydric Soil Present? Yes  No

Remarks:  
 Hydric soil present at this data point.

US Army Corps of Engineers Eastern Mountains and Piedmont - Version 2.0



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 Chantilly, VA 20151  
 PH: 703-466-5123 WWW.TNTENVIRONMENTALINC.COM

**ENVIRONMENTAL**

FAIRFAX PRESBYTERIAN CHURCH  
 RESOURCE PROTECTION AREA DELINEATION  
 CITY OF FAIRFAX

REVISIONS

DATE	COMMENTS

SHEET 3 OF 6

SCALE: NTS

PROJECT DATE: 1/6/19

DRAWN: TNW CHECKED: AMS

FILE NUMBER: 1708





DEPARTMENT OF THE ARMY  
US ARMY CORPS OF ENGINEERS  
NORFOLK DISTRICT  
FORT NORFOLK  
803 FRONT STREET  
NORFOLK VA 23510-1011

December 26, 2019

**PRELIMINARY JURISDICTIONAL DETERMINATION**

Northern Virginia Regulatory Section  
NAO-2019-02118 (Accotink Creek)

Habitat for Humanity of Northern Virginia  
c/o Ms. Noemi B. Riveira  
6295 Edsall Road, Suite 120  
Alexandria, Virginia 22312

Dear Ms. Riveira:

This letter is in regard to your request for a preliminary jurisdictional determination for waters of the U.S. (including wetlands) on property known as Fairfax Presbyterian Church, an approximately 8.26 acre site located on the southern side of Main Street in the City of Fairfax, Virginia (38.847154, -77.317632).

The map titled "Fairfax Presbyterian Church," by TNT Environmental, Inc. (TNT), as revised and date stamped as received by the Corps December 11, 2019 (copy enclosed), provides the locations of waters of the U.S. (WOUS) on the property listed above. The basis for this determination is the application of the Corps' 1987 Wetland Delineation Manual and the Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Eastern Mountains and Piedmont Region. **Note: This letter is not confirming the Cowardin classifications of the WOUS or the limits of waters/wetlands mapped outside of the study area boundaries identified on the enclosed delineation map.**

Discharges of dredged or fill material into WOUS on this site will require a Department of the Army permit and may require authorization by state and local authorities, including a Virginia Water Protection Permit from the Virginia Department of Environmental Quality (DEQ), a permit from the Virginia Marine Resources Commission (VMRC) and/or a permit from your local wetlands board. This letter is a confirmation of the Corps jurisdiction for the WOUS on the subject property and does not authorize any work in these jurisdictional areas. Please obtain all required permits before starting work in the delineated WOUS.

This is a preliminary jurisdictional determination and is therefore not a legally binding determination regarding whether Corps jurisdiction applies to the waters/wetlands in question. Accordingly, you may either consent to jurisdiction as set out in this preliminary jurisdictional determination and the attachments hereto if you agree with the determination, or you may request and obtain an approved jurisdictional determination.

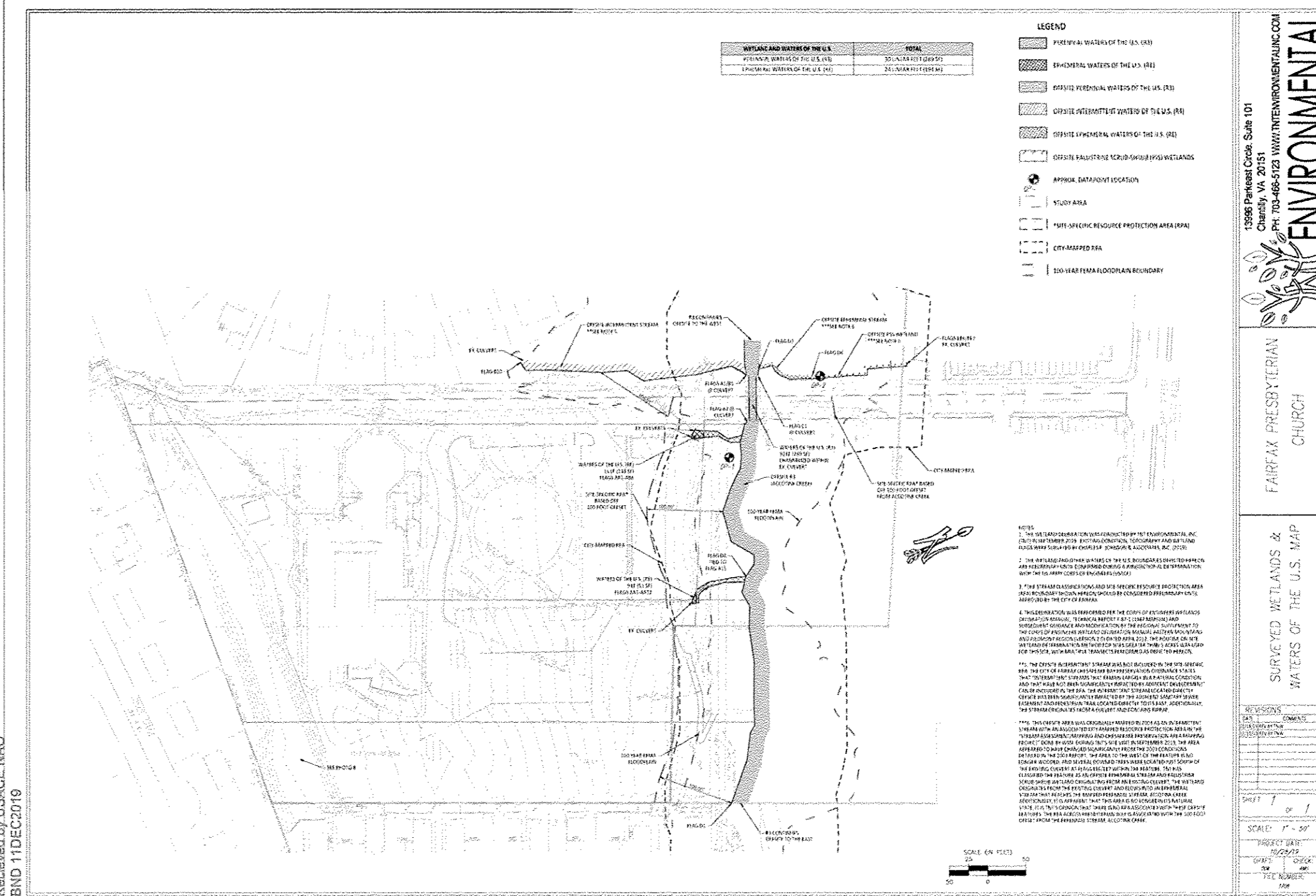
Enclosed is a copy of the "Preliminary Jurisdictional Determination Form". Please review the document, sign, and return one copy to me via email ([brittany\\_n.dunn@usace.army.mil](mailto:brittany_n.dunn@usace.army.mil)). **This delineation of waters/wetlands is valid for a period of no more than five years from the date of this letter. If new information warrants, revisions prior to the expiration date may be required.**

If you have any questions, please contact me either via telephone at (757) 201-7029 or via email at ([brittany\\_n.dunn@usace.army.mil](mailto:brittany_n.dunn@usace.army.mil)).

Sincerely,  
**Brittany N. Dunn**  
Digitally signed by Brittany N. Dunn  
Date: 2019.12.26 14:38:43 -0500  
**Brittany N. Dunn**  
Environmental Scientist  
Northern Virginia Regulatory Section

- Enclosures:
- "Fairfax Presbyterian Church" Delineation Map (date stamped as received by COE 12/11/19)
  - Preliminary Jurisdictional Determination Form
  - Appeals Form
  - Supplemental Preapplication Form

Cc: (1) TNT



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Chantilly, VA 20151  
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FAIRFAX PRESBYTERIAN  
CHURCH  
CITY OF FAIRFAX

NAO-2019-02118

**Appendix 2 - PRELIMINARY JURISDICTIONAL DETERMINATION (PJD) FORM**

**BACKGROUND INFORMATION**

**A. REPORT COMPLETION DATE FOR PJD:** 12/26/19

**B. NAME AND ADDRESS OF PERSON REQUESTING PJD:**  
Habitat for Humanity of Northern Virginia, 6295 Edsall Road, Suite 120, Alexandria, VA 223

**C. DISTRICT OFFICE, FILE NAME, AND NUMBER:**  
NAO, IFairfax Presbyterian Church, NAO-2019-02118

**D. PROJECT LOCATION(S) AND BACKGROUND INFORMATION:**  
**(USE THE TABLE BELOW TO DOCUMENT MULTIPLE AQUATIC RESOURCES AND/OR AQUATIC RESOURCES AT DIFFERENT SITES)**  
State: Virginia County/parish/borough: City: Fairfax  
Center coordinates of site (lat/long in degree decimal format): 38.847154, -77.317632  
Lat.: xx.xxx° Long.: yy.yyy°  
Universal Transverse Mercator:  
Name of nearest waterbody: Accotink Creek

**E. REVIEW PERFORMED FOR SITE EVALUATION (CHECK ALL THAT APPLY):**

- Office (Desk) Determination. Date: 12/26/19  
 Field Determination. Date(s):

**TABLE OF AQUATIC RESOURCES IN REVIEW AREA WHICH "MAY BE" SUBJECT TO REGULATORY JURISDICTION.**

Site number	Latitude (decimal degrees)	Longitude (decimal degrees)	Estimated amount of aquatic resource in review area (acreage and linear feet, if applicable)	Type of aquatic resource (i.e., wetland vs. non-wetland waters)	Geographic authority to which the aquatic resource "may be" subject (i.e., Section 404 or Section 10/404)
R3	38.847154	-77.317632	30 linear feet	Non-wetland waters	Section 404
RE	38.847154	-77.317632	24 linear feet	Non-wetland waters	Section 404

NAO-2019-02118

- The Corps of Engineers believes that there may be jurisdictional aquatic resources in the review area, and the requestor of this PJD is hereby advised of his or her option to request and obtain an approved JD (AJD) for that review area based on an informed decision after having discussed the various types of JDs and their characteristics and circumstances when they may be appropriate.
- In any circumstance where a permit applicant obtains an individual permit, or a Nationwide General Permit (NWP) or other general permit verification requiring "pre-construction notification" (PCN), or requests verification for a non-reporting NWP or other general permit, and the permit applicant has not requested an AJD for the activity, the permit applicant is hereby made aware that: (1) the permit applicant has elected to seek a permit authorization based on a PJD, which does not make an official determination of jurisdictional aquatic resources; (2) the applicant has the option to request an AJD before accepting the terms and conditions of the permit authorization, and that basing a permit authorization on an AJD could possibly result in less compensatory mitigation being required or different special conditions; (3) the applicant has the right to request an individual permit rather than accepting the terms and conditions of the NWP or other general permit authorization; (4) the applicant can accept a permit authorization and thereby agree to comply with all the terms and conditions of that permit, including whatever mitigation requirements the Corps has determined to be necessary; (5) undertaking any activity in reliance upon the subject permit authorization without requesting an AJD constitutes the applicant's acceptance of the use of the PJD; (6) accepting a permit authorization (e.g., signing a proffered individual permit) or undertaking any activity in reliance on any form of Corps permit authorization based on a PJD constitutes agreement that all aquatic resources in the review area affected in any way by that activity will be treated as jurisdictional, and waives any challenge to such jurisdiction in any administrative or judicial compliance or enforcement action, or in any administrative appeal or in any Federal court; and (7) whether the applicant elects to use either an AJD or a PJD, the JD will be processed as soon as practicable. Further, an AJD, a proffered individual permit (and all terms and conditions contained therein), or individual permit denial can be administratively appealed pursuant to 33 C.F.R. Part 331. If, during an administrative appeal, it becomes appropriate to make an official determination whether geographic jurisdiction exists over aquatic resources in the review area, or to provide an official delineation of jurisdictional aquatic resources in the review area, the Corps will provide an AJD to accomplish that result, as soon as is practicable. This PJD finds that there "may be" waters of the U.S. and/or that there "may be" navigable waters of the U.S. on the subject review area, and identifies all aquatic features in the review area that could be affected by the proposed activity, based on the following information:

NAO-2019-02118

**SUPPORTING DATA. Data reviewed for PJD (check all that apply)**

Checked items should be included in subject file. Appropriately reference sources below where indicated for all checked items:

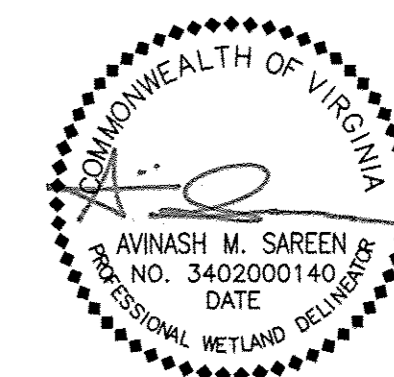
- Maps, plans, plots or plat submitted by or on behalf of the PJD requestor: "Fairfax Presbyterian Church," by TNT Environmental, Inc. (TNT), as revised and date stamped as received by the Corps Map, December 11, 2019
- Data sheets prepared/submitted by or on behalf of the PJD requestor.  
 Office concurs with data sheets/delineation report.  
 Office does not concur with data sheets/delineation report. Rationale: \_\_\_\_\_
- Data sheets prepared by the Corps: \_\_\_\_\_
- Corps navigable waters' study: \_\_\_\_\_
- U.S. Geological Survey Hydrologic Atlas: \_\_\_\_\_
- USGS NHD data.  
 USGS 8 and 12 digit HUC maps.
- U.S. Geological Survey map(s). Cite scale & quad name: 1:24,000 & Fairfax
- Natural Resources Conservation Service Soil Survey. Citation: USDA-NCSS Digital SSURGO and STATSOO data
- National wetlands inventory map(s). Cite name: USFWS Digital Wetlands and Riparian data
- State/local wetland inventory map(s): \_\_\_\_\_
- FEMA/FIRM maps: \_\_\_\_\_
- 100-year Floodplain Elevation is: \_\_\_\_\_ (National Geodetic Vertical Datum of 1929)
- Photographs:  Aerial (Name & Date): Google Earth Pro (Date range: 1989-2016)  
or  Other (Name & Date): On-site photographs included in delineation report
- Previous determination(s). File no. and date of response letter: \_\_\_\_\_
- Other information (please specify): LIDAR data/maps (USGS/NRCS)

**IMPORTANT NOTE: The information recorded on this form has not necessarily been verified by the Corps and should not be relied upon for later jurisdictional determinations.**

**Brittany N. Dunn**  
Digitally signed by Brittany N. Dunn  
Date: 2019.12.26 14:47:44 -0500

Signature and date of Regulatory staff member completing PJD  
Signature and date of person requesting PJD (REQUIRED, unless obtaining the signature is impracticable)<sup>1</sup>

<sup>1</sup> Districts may establish timeframes for requestor to return signed PJD forms. If the requestor does not respond within the established time frame, the district may presume concurrence and no additional follow up is necessary prior to finalizing an action.



RESOURCE PROTECTION  
AREA DELINEATION

**REVISIONS**

DATE	COMMENTS

SHEET 4 OF 6

SCALE: NTS

PROJECT DATE: 1/3/20

DRAFT: TNW CHECK: AMS

FILE NUMBER: 1708



### NOTIFICATION OF ADMINISTRATIVE APPEAL OPTIONS AND PROCESS AND REQUEST FOR APPEAL

**Applicant:** Habitat for Humanity of Northern Virginia | **File Number:** NAO-2019-02118 | **Date:** 12/26/19  
**c/o Ms. Noemi B. Riveira**

**Attached is:**  INITIAL PROFFERED PERMIT (Standard Permit or Letter of permission)  PROFFERED PERMIT (Standard Permit or Letter of permission)  PERMIT DENIAL  APPROVED JURISDICTIONAL DETERMINATION  PRELIMINARY JURISDICTIONAL DETERMINATION

**SECTION I -** The following identifies your rights and options regarding an administrative appeal of the above decision. Additional information may be found at <http://www.usace.army.mil/Missions/CivilWorks/RegulatoryProgramandPermits/appeals.aspx> or Corps regulations at 33 CFR Part 331.

**A: INITIAL PROFFERED PERMIT:** You may accept or object to the permit.

- ACCEPT:** If you received a Standard Permit, you may sign the permit document and return it to the district engineer for final authorization. If you received a Letter of Permission (LOP), you may accept the LOP and your work is authorized. Your signature on the Standard Permit or acceptance of the LOP means that you accept the permit in its entirety, and waive all rights to appeal the permit, including its terms and conditions, and approved jurisdictional determinations associated with the permit.
- OBJECT:** If you object to the permit (Standard or LOP) because of certain terms and conditions therein, you may request that the permit be modified accordingly. You must complete Section II of this form and return the form to the district engineer. Your objections must be received by the district engineer within 60 days of the date of this notice, or you will forfeit your right to appeal the permit in the future. Upon receipt of your letter, the district engineer will evaluate your objections and may (a) modify the permit to address all of your concerns, (b) modify the permit to address some of your objections, or (c) not modify the permit having determined that the permit should be issued as previously written. After evaluating your objections, the district engineer will send you a proffered permit for your reconsideration, as indicated in Section B below.

**B: PROFFERED PERMIT:** You may accept or appeal the permit

- ACCEPT:** If you received a Standard Permit, you may sign the permit document and return it to the district engineer for final authorization. If you received a Letter of Permission (LOP), you may accept the LOP and your work is authorized. Your signature on the Standard Permit or acceptance of the LOP means that you accept the permit in its entirety, and waive all rights to appeal the permit, including its terms and conditions, and approved jurisdictional determinations associated with the permit.
- APPEAL:** If you choose to decline the proffered permit (Standard or LOP) because of certain terms and conditions therein, you may appeal the declined permit under the Corps of Engineers Administrative Appeal Process by completing Section II of this form and sending the form to the division engineer. This form must be received by the division engineer within 60 days of the date of this notice.

**C: PERMIT DENIAL:** You may appeal the denial of a permit under the Corps of Engineers Administrative Appeal Process by completing Section II of this form and sending the form to the division engineer. This form must be received by the division engineer within 60 days of the date of this notice.

**D: APPROVED JURISDICTIONAL DETERMINATION:** You may accept or appeal the approved JD or provide new information.

- ACCEPT:** You do not need to notify the Corps to accept an approved JD. Failure to notify the Corps within 60 days of the date of this notice, means that you accept the approved JD in its entirety, and waive all rights to appeal the approved JD.
- APPEAL:** If you disagree with the approved JD, you may appeal the approved JD under the Corps of Engineers Administrative Appeal Process by completing Section II of this form and sending the form to the division engineer. This form must be received by the division engineer within 60 days of the date of this notice.

**E: PRELIMINARY JURISDICTIONAL DETERMINATION:** You do not need to respond to the Corps regarding the preliminary JD. The Preliminary JD is not appealable. If you wish, you may request an approved JD (which may be appealed), by contacting the Corps district for further instruction. Also you may provide new information for further consideration by the Corps to reevaluate the JD.

### SECTION II - REQUEST FOR APPEAL OR OBJECTIONS TO AN INITIAL PROFFERED PERMIT

**REASONS FOR APPEAL OR OBJECTIONS:** (Describe your reasons for appealing the decision or your objections to an initial proffered permit in clear concise statements. You may attach additional information to this form to clarify where your reasons or objections are addressed in the administrative record.)

**ADDITIONAL INFORMATION:** The appeal is limited to a review of the administrative record, the Corps memorandum for the record of the appeal conference or meeting, and any supplemental information that the review officer has determined is needed to clarify the administrative record. Neither the appellant nor the Corps may add new information or analyses to the record. However, you may provide additional information to clarify the location of information that is already in the administrative record.

**POINT OF CONTACT FOR QUESTIONS OR INFORMATION:**

If you have questions regarding this decision and/or the appeal process you may contact: Mr. Britiany N. Dunn U.S. Army Corps of Engineers 1329 Alum Spring Road, Suite 102 Fredericksburg, VA 22401 Telephone number: 757-201-7029	If you only have questions regarding the appeal process you may also contact: Mr. James W. Haggerty Regulatory Program Manager (CENAD-PD-OR) U.S. Army Corps of Engineers Fort Hamilton Military Community 301 General Lee Avenue Brooklyn, New York 11252-6700 Telephone number: 347-370-4550
--	---

**RIGHT OF ENTRY:** Your signature below grants the right of entry to Corps of Engineers personnel, and any government consultants, to conduct investigations of the project site during the course of the appeal process. You will be provided a 15 day notice of any site investigation, and will have the opportunity to participate in all site investigations.

Signature of appellant or agent: \_\_\_\_\_ Date: \_\_\_\_\_ Telephone number: \_\_\_\_\_

### DEPARTMENT OF THE ARMY US ARMY CORPS OF ENGINEERS NORFOLK DISTRICT FORT NORFOLK 803 FRONT STREET NORFOLK VA 23510-1011 December 26, 2019

**Supplemental Preapplication Information**

Project Number: NAO-2019-02118  
 Applicant: Habitat for Humanity of Northern Virginia c/o Ms. Noemi B. Riveira  
 Project Location: approximately 8.28 acre site located on the southern side of Main Street in the City of Fairfax, Virginia (38.847154, -77.317632)

1. A search of the Virginia Department of Historic Resources data conducted via VCRIS and/or CorpsMap revealed the following:

No known historic properties are located on the subject property.

The following known architectural resources are located on the subject property:

DHR ID	Site Name	Address	Historic Name	Nr Eligibility	Survey Updated	Restricted
151-5444	Mansions Gas Station (Historic/Current)				16-SEP-13 04:55:00 20000 PM	Unrestricted

The following known archaeological resources are located on the subject property:

DHR ID	Site Name	Site Category	Time Period	Restricted	Nr Eligibility	Survey Updated
48FX290	Presbyterian Church	Military/Defense	19th Century, 3rd quarter (1850-1874)	Restricted, No release		16-SEP-13 04:13:42 20000 PM

The following known architectural and archaeological resources are located in the vicinity of the subject property:

DHR ID	Site Name	Address	Historic Name	Nr Eligibility	Survey Updated	Restricted
151-5314	Single Dwelling	10722 Joyce Drive (Function/Location)	10722 Joyce Drive		16-SEP-13 04:10:24 20000 PM	Unrestricted
151-5312	Single Dwelling	10720 Joyce Drive (Function/Location)	10720 Joyce Drive		16-SEP-13 04:10:24 20000 PM	Unrestricted
151-5312	Single Dwelling	10718 Joyce Drive (Function/Location)	10718 Joyce Drive		16-SEP-13 04:10:24 20000 PM	Unrestricted
151-5311	Single Dwelling	10716 Joyce Drive (Function/Location)	10716 Joyce Drive		16-SEP-13 04:10:24 20000 PM	Unrestricted
151-5310	Single Dwelling	10714 Joyce Drive (Function/Location)	10714 Joyce Drive		16-SEP-13 04:10:24 20000 PM	Unrestricted
151-5309	Single Dwelling	10712 Joyce Drive (Function/Location)	10712 Joyce Drive		16-SEP-13 04:10:24 20000 PM	Unrestricted

American Battlefield Protection Program (ABPP) consultation may be required.

Tribal consultation may be required.

**NOTE:**

1) The information above is for planning purposes only. In most cases, the property has not been surveyed for historic resources. Undiscovered historic resources may be located on the subject property or adjacent properties and this supplemental information is not intended to satisfy the Corps' requirements under Section 106 of the National Historic Preservation Act (NHPA).

2) Prospective permittees should be aware that Section 110k of the NHPA (16 U.S.C. 470k-2)(k) prevents the Corps from granting a permit or other assistance to an applicant who, with intent to avoid the requirements of Section 106 of the NHPA, has intentionally significantly adversely affected a historic property to which the permit would relate, or having legal power to prevent it, allowed such significant adverse effect to occur, unless the Corps, after consultation with the Advisory

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 Chantilly, VA 20151  
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 CITY OF FAIRFAX

RESOURCE PROTECTION  
 AREA DELINEATION

**2. A search of U.S. Fish and Wildlife Service's IPaC system revealed the following:**

No known populations of federally listed species are located on the subject property.

The following federally listed species may be present on the subject property:

Please note this information is being provided to you based on the preliminary data you submitted to the Corps relative to project boundaries and project plans. Consequently, these findings and recommendations are subject to change if the project scope changes or new information becomes available and the accuracy of the data.

### STREAM DATA SHEET

Page 1 of 2

**PERENNIAL FLOW DETERMINATION**  
(Adapted from Fairfax County, Virginia's Perennial Stream Field Identification Protocol)

**General Information**

Project Site: Fairfax Presbyterian Church Date: 8/2/2019  
 Watershed: Middle Potomac-Anacostia-Ocquan Time: 10:25 AM  
 Field Investigator: J. Moore, T. Wilkins State: Virginia  
 County: City of Fairfax

Reach Number: 1



**Stream Reach Summary**

Approximate Reach Length: 304 ft **IS THIS REACH PERENNIAL?**  
 Average Channel Width: 3 ft Drainage area to the reach: NO  
 Average Channel Depth: 0.5 ft  
 Average Water Depth: 0.2 ft  
 Average Water Depth: Pools 1 ft  
 Data Point Location: Flag 89

**Recent Weather Data**

Rain Gauge: NOAA - Fairfax 2.8 SSE, VA Station Palmer Drought Index Value: -1.99 to +1.99 (Mid-Range)  
 Date of Last Rainfall: 8/2/2019  
 Rainfall Amount: 0.14 in.

**Representative Photographs**

Upstream View of Channel      Downstream View of Channel

**Field Indicators**

	Absent	Weak	Moderate	Strong	Score
<b>1) Streamflow and Hydrology</b>					
A) Presence or absence of flowing water and ~60 (3x slope, last 100 ft)	0	1	2	3	1
B) Presence of high groundwater table or seeps (2x 100 ft)	0	1	2	3	0
C) Leaf litter in equivalent	1.5	1	0.5	0	1
D) Debris lines	0	0.5	1	1.5	1
E) Sediment on debris or plants	0	0.5	1	1.5	0.5
<b>Total Streamflow and Hydrology Points:</b>					<b>3.8</b>

**Streamflow and Hydrology Notes**

### STREAM DATA SHEET

Page 2 of 2

**2) Geomorphology**

	Absent	Weak	Moderate	Strong	Score
A) Riffle-Pool Sequence	0	1	2	3	3
B) Substrate Sorting (USDA Texture in Streambed)	0	1	2	3	3
C) Natural Levees	0	1	2	3	0
D) Smoothly	0	1	2	3	1
E) Active or Relic Floodplain	0	1	2	3	1
F) Braided Channel	0	1	2	3	0
G) Recent Alluvial Deposits	0	1	2	3	0
H) Bar/Full Bench Present	0	1	2	3	1
I) Continuous Bed and Bank	0	1	2	3	3
J) 2nd Order or Greater Channel Present	Yes = 3	No = 0			0
<b>Total Geomorphology Points:</b>					<b>12</b>

**3) Streambed Soils**

	Present = 0	Absent = 1.5			
A) Pedogenic Features present in sides of channel					0
B) Chroma	Gleyed = 3	1-2	2 = 1	>2 = 0	2
<b>Total Streambed Soils Points:</b>					<b>2</b>

**4) Vegetation**

	Absent	Weak	Moderate	Strong	Score
A) Rooted AQUATIC Plants in Streambed	0	1	2	3	0
B) Presence of Periphyton/Green Algae	0	1	2	3	0
C) Non Oxidizing Bacteria/Fungus	0	0.5	1	1.5	0
D) Wetland Plants in Streambed (Skip if no plants in streambed)	SAV = 3	OEL = 1.5	FAO = 1	FAO = 0.5	0
<b>Total Vegetation Points:</b>					<b>0</b>

**Geomorphology, Soils and Vegetation Notes**

**5) Benthic Macroinvertebrates**

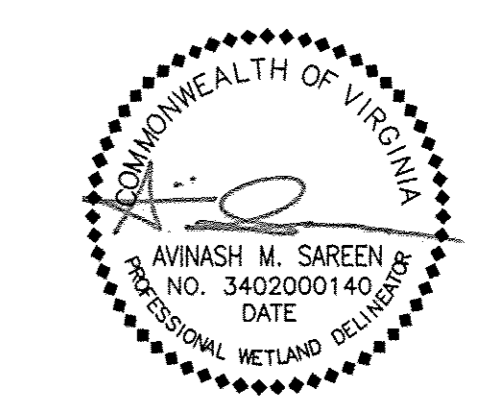
	Absent	Weak	Moderate	Strong	Score
A) Benthic Macroinvertebrates	0	0.5	1	1.5	0.5
B) Bivalves	0	1	2	3	0
C) EPT Taxa	Present = 3	Absent = 0			0
<b>Total Benthic Macroinvertebrate Points:</b>					<b>0.5</b>

**6) Vertebrates**

	Absent	Weak	Moderate	Strong	Score
A) Fish	0	0.5	1	1.5	0
B) Amphibians	0	0.5	1	1.5	0
<b>Total Vertebrate Points:</b>					<b>0</b>

**Benthics/Amphibians Found**

**TOTAL SCORE: 18**



REVISIONS	
DATE	COMMENTS

SHEET 5 OF 6

SCALE: NTS

PROJECT DATE: 1/3/20

DRAFT: TNW CHECK: AMS

FILE NUMBER: 1708





STREAM DATA SHEET

PERENNIAL FLOW DETERMINATION (Adapted from Fairfax County, Virginia's Perennial Stream Field Identification Protocol)

General Information

Project/Site: Fairfax Presbyterian Church Date: 10/8/2019
Waterhead: Middle Potomac-Anacostia-Occoquan Time: 6:00 PM
Field Investigator: A. Sareen, T. Wilkins State: Virginia County: City of Fairfax

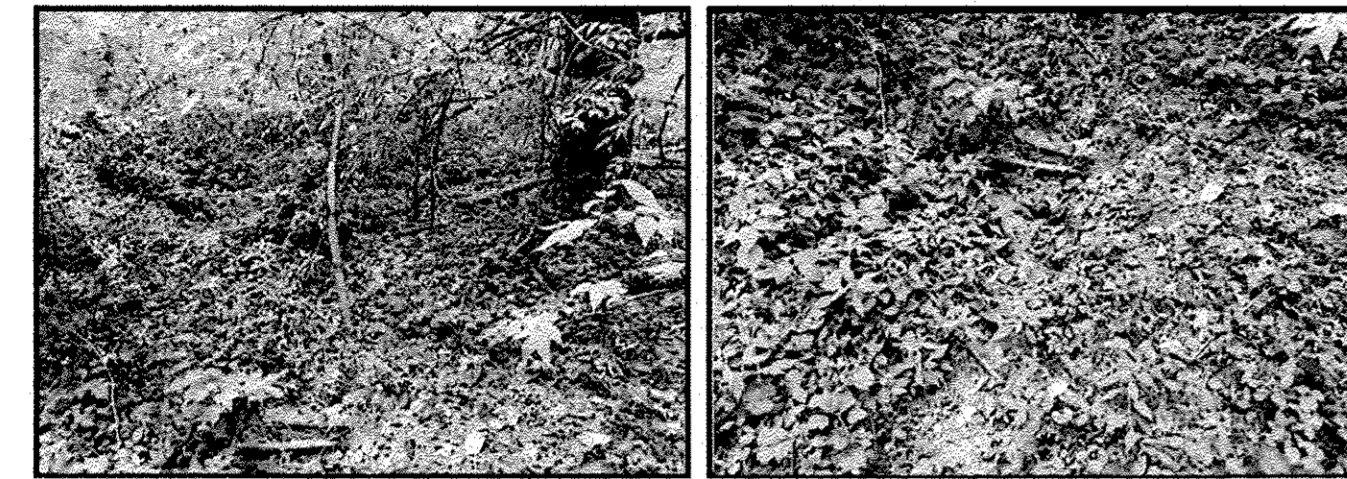
Stream Reach Summary

Approximate Reach Length: 70 ft
Average Channel Width: 1.5 ft
Average Channel Depth: 0.25 ft
Average Water Depth: N/A
Average Water Depth: Pools: N/A
Data Point Location: 750g 03

Recent Weather Data

Rain Gauge: NDAA - Fairfax 2.8 SSE VA Station Palmer Drought Index Value: -1.99 to +1.99 (Mid-Range)
Date of Last Rainfall: 01/23/19
Rainfall Amount: 0.27 in.

Representative Photographs



Upstream View of Channel

Downstream View of Channel

Field Indicators

Table with 5 columns: Indicator, Absent, Weak, Moderate, Strong, Score. Includes indicators for Streamflow and Hydrology, Aquatic Insects, and Sediment.

Streamflow and Hydrology Notes



Project/Site: Fairfax Presbyterian Church
Field Investigator: A. Sareen, T. Wilkins
Date: 10/8/2019
Time: 6:00 PM

Geomorphology table with columns: Indicator, Absent, Weak, Moderate, Strong, Score. Includes indicators for Riffle-Pool Sequence, Substrate, Natural Levees, etc.

Streambed Soils table with columns: Indicator, Absent, Weak, Moderate, Strong, Score. Includes indicators for Redoximorphic Features, Chroma, etc.

Vegetation table with columns: Indicator, Absent, Weak, Moderate, Strong, Score. Includes indicators for Rooted Aquatic Plants, Presence of Periphyton, etc.

Geomorphology, Soils and Vegetation Notes

Benthic Macroinvertebrates table with columns: Indicator, Absent, Weak, Moderate, Strong, Score. Includes indicators for Benthic Macroinvertebrates, Bivalves, etc.

Vertebrates table with columns: Indicator, Absent, Weak, Moderate, Strong, Score. Includes indicators for Fish, Amphibians, etc.

Benthics/Amphibians Found

TOTAL SCORE: 6.5

Environmental logo and contact information: 13996 Parkeast Circle, Suite 101, Chantilly, VA 20151, PH: 703-466-5123, WWW.TNTENVIRONMENTALINC.COM

FAIRFAX PRESBYTERIAN CHURCH CITY OF FAIRFAX

RESOURCE PROTECTION AREA DELINEATION

REVISIONS table with columns: DATE, COMMENTS

SHEET 6 OF 6

SCALE: NTS

PROJECT DATE: 1/3/20

DRAFT: T/W CHECK: AMS

FILE NUMBER: 1708

