From:
Sent:
To:
Subject:

Dear Members of the Fredericksburg Area Metropolitan Planning Organization,

Thank you for providing the public with an opportunity to comment on the Long Range Transportation Plan. Our family owns a 124-acre parcel of land on Mudd Tavern Road at Exit 118 off of I-95. This property provides great opportunity for the Commonwealth of Virginia. There are few large developable parcels in the I-95 corridor between Washington DC and Richmond, and even fewer unimpaired by utility constraints or environmental barriers caused by the preponderance of truck stops in the corridor. This presents opportunity for this property to be developed for high quality resort, commercial, industrial, or other uses that generate significant employment and tax generation for the Commonwealth.

However, thoughtful, well-planned road improvements must be made to support the full development of high-quality uses at the interchange that maximize long-term tax revenue and employment.

In speaking with a local VDOT representative, we were advised that the Long Range Transportation Plan was developed to mitigate traffic and accommodate growth in the area through 2045 and that the improvements will be funded mostly by a federal grant. However, we were also told these enhancements have been proposed on the basis that the 124-acre parcel, and the adjacent 50 acres, are zoned agricultural. While understandable based on current zoning, it does not plan for the true potential and best use of this corridor, interchange, site, or the fact that the Spotsylvania County Comprehensive Plan proposes that these properties should be rezoned as "Employment Centers" with Class-A office buildings and industrial parks. While we believe the ultimate zoning should be more flexible, especially in light of the fact that the needs of commercial office space users are changing, agriculture is the least likely use. This is based on the desire for both the County and the land owners to develop these parcels into desirable, tax revenue producing centers. We request that relatively modest changes be made that will truly open this interchange and allow it to reach its full development potential.

We have been working with Spotsylvania County officials for the past two years to bring a major user to these 175 acres. While we have come close to an agreement, we've run into a snag because of some access and road issues that have caused the project to stall. Here are some of the concerns:

1. First and foremost, the legal right-of-way to our family's property with a 60-foot wide easement and access onto Mudd Tavern Road is shown on the proposed plan as being blocked off by a curb. We were never notified of this, nor provided with an explanation as to the basis for this. It is imperative and essential that access to the easement remain open so that this property, and the 50-acre adjacent site can reach full development potential.

2. The proposed access road just past the Taco Bell has been planned with only two lanes. We believe it is crucial that this road be designed and the land be designated to accommodate four lanes in order to account for future traffic from commercial development of the corridor. If the area is rezoned as "Employment Centers" or any other major commercial use, a two-lane road will not support the amount of traffic being generated. If the property along the proposed two-lane road is developed now it will be much more difficult later to expand the road to four lanes. If we are truly planning for 2045, this is a very important matter to consider.

3. It is our belief that the proposed center median inhibits access to several of the parcels on Mudd Tavern Road and discourages travelers from utilizing this exit for gas, food or other services and amenities. Once travelers experience the delay of being rerouted away from I-95 in order to get back to I-95, they will likely avoid this exit in the future negatively impacting businesses along the route. We request that the State consider a center turning lane as a more user-friendly alternative.

4. The proposed connector road from Dan Bell Road to Route 1 is shown as being installed by others and not the State. As such, there is no guarantee that it will be built adding further concern that the total plan will not accomplish the overall goal. Could clarification please be provided as to who would be installing the road and the timing of it?

We have enjoyed a positive relationship with County officials and look forward to continuing to work toward fulfilling the mutual goal of attracting users who will bring tax revenue and jobs to the area. We ask FAMPO to seriously consider modifying the Long Range Transportation Plan to address these concerns so as not to limit the possibilities. We thank you in advance for your consideration.

Sincerely,

DEPARTMENT OF THE ARMY
INSTALLATION MANAGEMENT COMMAND
DIRECTORATE OF PUBLIC WORKS, USAG FT. AP HILL
19952 NORTH RANGE ROAD
BOWLING GREEN, VIRGINIA 22427-1220

11 April 2018

Fredericksburg Area Metropolitan Planning Organization
LRTP Comments
406 Princess Anne Street
Fredericksburg, Virginia 22401

Dear Mr. Agnello:

The Fort A.P. Hill Directorate of Public Works has reviewed the George Washington Region 2045 Long Range Transportation Plan (LRTP) for the area surrounding Fort A.P. Hill, concentrating on the Route 301 and Route 207 Corridor Study. We have a few comments to make regarding the study, and as this study continues we would like to continue to be a participant in the review and planning process. We have two immediate concerns related to the potential for increased traffic as the 207/301 corridor is improved: installation traffic crossing highway 301, and convoy traffic trying to enter Fort A.P. Hill.

Increased traffic along the Hwy 301 corridor will cause issues with existing post traffic trying to cross highway 301 from our North Gate to our South Gate. Highway 301 intersects Fort A.P. Hill and traffic going from one side of post must cross highway 301 to get to the other side of the installation. At this intersection, there are existing limited sight conditions which make it difficult to see all traffic coming southbound. It is difficult to determine which lane the traffic is in and therefore crossing highway 301 can be an issue. Increased traffic and potentially increased speeds will only cause greater difficulty unless the intersection is modified.

The second concern are convoys - the numerous military vehicles and support trucks that bring soldiers, equipment and supplies onto the installation to train can cause traffic to back up on highway 301. When a unit arrives, these vehicles can stack up in the turn lanes, and if the convoy is longer than the turn lane, stack up in the actual travel lanes of highway 301. This can cause accidents due to the vehicles travelling at high speeds encountering the stopped vehicles.

Fort A.P. Hill is investigating the possibility for an overpass to be constructed which will connect one side of the installation to the other crossing over highway 301. This will (1) create the need for only 1 main entry gate into the installation, and (2) move traffic from one side of the installation to the other via the overpass, eliminating the need for crossovers. However this is an Army project which must be approved and will then compete with all other major Army military construction projects and may not be funded for many year, if at all.

As improvements are made along the 301 corridor and traffic increases, unless the issues concerning Fort A.P. Hill are addressed as part of the improvements, our ability to enter the installation or cross from one side to the other will be impacted by the increased traffic and may also impact the traffic on highway 301. One potential way to avoid these problems, in lieu of the overpass, would be to install a traffic signal at the Fort A.P. Hill entrance gates and increase the length of the turning lanes.

Fort A.P. Hill looks forward to working with the Fredericksburg Area Metropolitan Planning Organization regarding these projects. If you have any further questions or comments please contact the undersigned at (804) 633-8215 or at benjamin.h.mcbride.civ@mail.mil .

MCBRIDE.BENJAMIN.H.1229828246

Digitally signed by MCBRIDE.BENJAMIN.H.1229828246
DN: c=US, o=U.S. Government, ou=DoD, ou=PKI, ou=USA, cn=MCBRIDE.BENJAMIN.H.1229828246
Date: 2018.04.11 15:33:32 -04'00'

BENJAMIN H. MCBRIDE
Director Public Works

Marti Donley

From: GWRC Fampo
Sent: Wednesday, April 11, 2018 3:41 PM
To: Marti Donley
Subject: FW: Reply to George Washington Region 2045 Long Range Transportation Plan
Attachments: Letter to FAMPO.pdf

From: Mcbride, Benjamin H CIV USARMY USAG (US)
Sent: Wednesday, April 11, 2018 3:39:30 PM (UTC-05:00) Eastern Time (US & Canada)
To: GWRC Fampo
Cc: Smith, Dianne V CIV USARMY IMCOM ATLANTIC (US); Mcnair, Henry V CIV USARMY IMCOM ATLANTIC (US)
Subject: Reply to George Washington Region 2045 Long Range Transportation Plan

Dear Fredericksburg Area Metropolitan Planning Organization:

Attached please find comments from Fort A.P. Hill regarding the George Washington Region 2045 Long Range Transportation Plan, specifically for the Route 207/Route 301 Corridor Study near Fort A.P. Hill, Caroline County.

If you have any questions, please contact me at Benjamin.h.mcbride.civ@mail.mil or the numbers provided below.

Thank you,

Benjamin H. McBride
Director of Public Works
19952 North Range Road
Bowling Green, VA 22427
(804) 633-8215
(540) 621-9282 (Gov't Cell)

Please provide feedback on the support provided to you from the Directorate of Public Works at:
https://ice.disa.mil/index.cfm?fa=card&sp=126385

Matthew J. Strickler
Secretary of Natural Resources

Clyde E. Cristman
Director

COMMONWEALTH of VIRGINIA

DEPARTMENT OF CONSERVATION AND RECREATION

Rochelle Altholz
Deputy Director of Administration and Finance

Russell W. Baxter
Deputy Director of Dam Safety & Floodplain Management and Soil & Water Conservation

Thomas L. Smith
Deputy Director of Operations

April 11, 2018

Paul Agnello
Fredericksburg Area Metropolitan Planning Organization
LRPT Comments
406 Princess Anne Street
Fredericksburg, Virginia 22401

Re: George Washington Region 2045 LRTP

Dear Mr. Agnello:

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.

According to the information currently in our files, natural heritage resources have been documented in the project area (See Attached Table). The table lists natural heritage resources by county that are intersected by the proposed projects and natural heritage resources within two miles. As specific projects are being planned, DCR recommends coordination with this office for updated natural heritage information and determination of potential impacts to natural heritage resources.

In addition, the following two DCR Natural Area Preserves are located in the George Washington Region: Chotank Creek Natural Area Preserve in King George County and Crow's Nest Natural Area Preserve in Stafford County (http://www.dcr.virginia.gov/natural-heritage/natural-area-preserves/). For more information on these natural area preserves, please contact Mike Lott, DCR Northern Region Steward at michael.lott@dcr.virginia.gov or 540-658-8690.

Furthermore, please note a section of the Rappahannock River, which has been designated as a scenic river in the state of Virginia, is located in the project area. Due to this designation, for projects potentially impacting the Rappahannock River, DCR recommends you contact Lynn Crump of the DCR-Division of Planning and Recreation at 804-786-5054 or Lynn.Crump@dcr.virginia.gov.

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

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.

New and updated information is continually added to Biotics. Please re-submit project information and 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.

The Virginia Department of Game and Inland Fisheries (VDGIF) 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 Ernie Aschenbach at 804-367-2733 or Ernie.Aschenbach@dgif.virginia.gov. These project are located within 2 miles of documented occurrence of state and federally listed animals. Furthermore, Aquia Creek, Po River, Rappahannock River and South Anna River are within two miles of the project area and have been designated by the VDGIF as a "Threatened and Endangered Species Waters". Therefore, for proposed projects DCR recommends coordination with the U.S. Fish and Wildlife Service (USFWS) and Virginia's regulatory authority for the management and protection of these species, the VDGIF, to ensure compliance with protected species legislation.

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,

Tyler Meader

Tyler Meader
Project Review Assistant

CC: Troy Andersen, USFWS
Amy Ewing, VDGIF
Lynn Crump, DCR-DPRR

Stafford County

Intersect

EO_ID	GROUP NAME	SCIENTIFIC NAME	COMMON NAME	GLOBAL RANK	USFWS SPECIES OF CONCERN	STATE RANK	FEDERAL PROTECTION STATUS	STATE PROTECTION STATUS	ASSOCIATED CONSERVATION SITE
7391	Invertebrate Animal	Lordithon niger	Black Lordithon Rove Beetle	GU		SH			
8575	Invertebrate Animal	Elliptio lanceolata	Yellow Lance	G2G3		S2S3	PT		
9682	Vascular Plant	Vitis rupestris	Sand Grape	G3		S1			
11220	Terrestrial Natural Community	Justicia americana Herbaceous Vegetation	Water-Willow Rocky Bar and Shore	G4G5		S4			EMBREY HILL
12212	Aquatic Natural Community	NC-Lower Rappahannock Second Order Stream	NC-Lower Rappahannock Second Order Stream	G2G3		S2S3			WHITE OAK RUN AT RT 601 SCU
12203	Aquatic Natural Community	NC-Lower Rappahannock Second Order Stream	NC-Lower Rappahannock Second Order Stream	G2G3		S2S3			LITTLE FALLS RUN SCU
12269	Aquatic Natural Community	NP-Lower Potomac Third Order Stream	NP-Lower Potomac Third Order Stream	G1G2		S1S2			AQUIA CREEK - CANNON CREEK SCU
12229	Aquatic Natural Community	NP-Lower Rappahannock First Order Stream	NP-Lower Rappahannock First Order Stream	G2G3		S2S3			FALLS RUN AT RT 17 SCU
14055	Vertebrate Animal	Rallus elegans	King Rail	G4		S2B,S3N			CROWS NEST
12052	Terrestrial Natural Community	Quercus phellos - Acer rubrum - Liquidambar styraciflua / Vaccinium (formosum, fuscatum) Forest	Coastal Plain Depression Swamp (Willow Oak - Red Maple - Sweetgum Type)	G3		S2			ARKENDALE FLATWOODS
8243	Vascular Plant	Isotria medeoloides	Small Whorled Pogonia	G2?		S2	LT	LE	MOUNT WEST, HOTPATCH SLOPES, RUSSELL ROAD SLOPES
13332	Vascular Plant	Lathyrus palustris	Marsh pea	G5		S1			CROWS NEST
9940	Terrestrial Natural Community	Impatiens capensis - Persicaria arifolia - Peltandra virginica - (Typha angustifolia) Tidal Herbaceous Vegetation	Tidal Freshwater Marsh (Mixed High Marsh Type)	G3		S3			CROWS NEST
12265	Aquatic Natural Community	NP-Lower Potomac Second Order Stream	NP-Lower Potomac Second Order Stream	G2G3		S2S3			POTOMAC RUN UPSTREAM RT 616 SCU

CONSERVATION SITE	BIODIVERSITY RANK	LEGAL STATUS
ARKENDALE FLATWOODS	B5	NL
HAMPSTEAD FARM SLOPES	B3	FL
AQUIA CREEK - CANNON CREEK SCU	B2	FL
CHOPAWAMSIC CREEK UPSTREAM RUSSELL ROAD SCU	B2	NL
FALLS RUN AT RT 17 SCU	B3	NL
CROWS NEST	B2	FL
HORSEPEN RUN	B3	FL
EMBREY HILL	B5	NL
AQUIA CREEK - RT 1 - GOVERNMENT LANDING SCU	B2	NL
WHITE OAK RUN AT RT 601 SCU	B2	NL
CLAIBORNE RUN SCU	B3	NL
POTOMAC RUN UPSTREAM RT 616 SCU	B3	NL
BRENT MARSH	B3	FL
HAZEL RUN RT 1 TO RT 2 SCU	B3	NL
RICHLAND RUN SCU	B3	NL
RUSSELL ROAD SLOPES	B2	FL
LITTLE FALLS RUN SCU	B3	NL
FOREST VIEW ESTATES	B3	FL
SNOW CREEK RAVINE	B4	NL

2 MILE BUFFER

EO_ID	GROUP NAME	SCIENTIFIC NAME	COMMON NAME	GLOBAL RANK	USFWS SPECIES OF CONCERN	STATE RANK	FEDERAL PROTECTION STATUS	STATE PROTECTION STATUS	ASSOCIATED CONSERVATION SITE
67	Animal Assemblage	Colonial Wading Bird Colony		G5		S2			CROWS NEST
788	Vascular Plant	Aeschynomene virginica	Sensitive Joint-vetch	G2		S2	LT	LT	
839	Terrestrial Natural Community	Quercus alba - Quercus falcata - Carya tomentosa / Schizachyrium scoparium - Lespedeza procumbens Woodland	Acidic Oak-Hickory Woodland / Savanna	G1?		S1			DAVIDS CROSSROADS GRASSLANDS
1704	Vascular Plant	Lythrum alatum	Winged loosestrife	G5		S2			
1348	Vascular Plant	Eriocaulon parkeri	Parker's Pipewort	G3		S2			LOWER AQUIA CREEK
2278	Terrestrial Natural Community	Schizachyrium scoparium - Sorghastrum nutans - Solidago juncea - Pycnanthemum tenuifolium Herbaceous Vegetation	Little Bluestem - Indian-Grass Piedmont Prairie	G3		SU			CANNON CREEK GRASSLANDS
3012	Vascular Plant	Bolboschoenus fluviatilis	River Bulrush	G5		S2			CROWS NEST
4327	Terrestrial Natural Community	Tsuga canadensis - Fagus grandifolia - Quercus (montana, alba) Forest	Piedmont / Coastal Plain Hemlock - Hardwood Forest	G2G3		S1			RUSSELL ROAD SLOPES
4093	Vascular Plant	Eriocaulon parkeri	Parker's Pipewort	G3		S2			
3440	Vascular Plant	Bacopa rotundifolia	Round-leaf water-hyssop	G5		SH			
5881	Vascular Plant	Aeschynomene virginica	Sensitive Joint-vetch	G2		S2	LT	LT	BRENT MARSH
5346	Terrestrial Natural Community	Fagus grandifolia - Liriodendron tulipifera - Carya cordiformis / Lindera benzoin / Podophyllum peltatum Forest	Coastal Plain / Outer Piedmont Basic Mesic Forest	G4?		S3			CROWS NEST
6917	Terrestrial Natural Community	Fagus grandifolia - Quercus (alba, rubra) - Liriodendron tulipifera / (Ilex opaca) / Polystichum acrostichoides Forest	Northern Coastal Plain / Piedmont Mesic Mixed Hardwood Forest	G5		S5			CROWS NEST
6978	Terrestrial Natural Community	Schizachyrium scoparium - Sorghastrum nutans - Solidago juncea - Pycnanthemum tenuifolium Herbaceous Vegetation	Little Bluestem - Indian-Grass Piedmont Prairie	G3		SU			DAVIDS CROSSROADS GRASSLANDS
11260	Invertebrate Animal	Somatochlora filosa	Fine-lined Emerald	G5		S2			CHOPAWAMSIC CREEK
7391	Invertebrate Animal	Lordithon niger	Black Lordithon Rove Beetle	GU		SH			
7295	Terrestrial Natural Community	Quercus alba - Quercus falcata - Carya tomentosa / Schizachyrium scoparium - Lespedeza procumbens Woodland	Acidic Oak-Hickory Woodland / Savanna	G1?		S1			CANNON CREEK GRASSLANDS
8575	Invertebrate Animal	Elliptio lanceolata	Yellow Lance	G2G3		S2S3	PT		
9682	Vascular Plant	Vitis rupestris	Sand Grape	G3		S1			
1102	Terrestrial Natural Community	Quercus muehlenbergii - Carya cordiformis / Cercis canadensis / Dichanthelium boscii - Erigeron pulchellus Forest	Coastal Plain Dry Calcareous Forest	G1		S1			CROWS NEST
11220	Terrestrial Natural Community	Justicia americana Herbaceous Vegetation	Water-Willow Rocky Bar and Shore	G4G5		S4			EMBREY HILL
12212	Aquatic Natural Community	NC-Lower Rappahannock Second Order Stream	NC-Lower Rappahannock Second Order Stream	G2G3		S2S3			WHITE OAK RUN AT RT 601 SCU
12203	Aquatic Natural Community	NC-Lower Rappahannock Second Order Stream	NC-Lower Rappahannock Second Order Stream	G2G3		S2S3			LITTLE FALLS RUN SCU
11998	Invertebrate Animal	Meropleon titan	A Noctuid Moth	G2G4		S1S3			SMITH LAKE WEST SLOPES
12201	Aquatic Natural Community	NC-Lower Rappahannock Second Order Stream	NC-Lower Rappahannock Second Order Stream	G2G3		S2S3			CLAIBORNE RUN SCU
12269	Aquatic Natural Community	NP-Lower Potomac Third Order Stream	NP-Lower Potomac Third Order Stream	G1G2		S1S2			AQUIA CREEK - CANNON CREEK SCU

12261	Aquatic Natural Community	NP-Lower Potomac Fourth Order Stream	NP-Lower Potomac Fourth Order Stream	G1		S1			AQUIA CREEK - RT 1 - GOVERNMENT LANDING SCU
12267	Aquatic Natural Community	NP-Lower Potomac Third Order Stream	NP-Lower Potomac Third Order Stream	G1G2		S1S2			CHOPAWAMSIC CREEK UPSTREAM RUSSELL ROAD SCU
12268	Aquatic Natural Community	NP-Lower Potomac Third Order Stream	NP-Lower Potomac Third Order Stream	G1G2		S1S2			AQUIA CREEK - CANNON CREEK SCU
12229	Aquatic Natural Community	NP-Lower Rappahannock First Order Stream	NP-Lower Rappahannock First Order Stream	G2G3		S2S3			FALLS RUN AT RT 17 SCU
5141	Terrestrial Natural Community	Nyssa biflora - Fraxinus profunda - (Fraxinus pennsylvanica) / Ilex verticillata / Persicaria arifolia Tidal Forest	Freshwater Tidal Hardwood Swamp	G3		S3			CROWS NEST
9874	Vascular Plant	Harperella nodosa	Harperella	G2		S1	LE	LE	AQUIA CREEK - CANNON CREEK SCU
13766	Aquatic Natural Community	NC-Lower Rappahannock Third Order Stream	NC-Lower Rappahannock Third Order Stream	G2G3		S2S3			LITTLE FALLS RUN SCU
2872	Invertebrate Animal	Alasmidonta heterodon	Dwarf Wedgemussel	G1G2		S1	LE	LE	AQUIA CREEK - CANNON CREEK SCU
3572	Invertebrate Animal	Alasmidonta heterodon	Dwarf Wedgemussel	G1G2		S1	LE	LE	RAPPAHANNOCK RIVER - ROCKY PEN RUN SCU
6169	Terrestrial Natural Community	Quercus montana - (Quercus coccinea, Quercus rubra) / Kalmia latifolia / Vaccinium pallidum Forest	Central Appalachian / Inner Piedmont Chestnut Oak Forest	G5		S5			CROWS NEST
14055	Vertebrate Animal	Rallus elegans	King Rail	G4		S2B,S3N			CROWS NEST
14115	Vascular Plant	Isotria medeoloides	Small Whorled Pogonia	G2?		S2	LT	LE	AMBER OAKS
14114	Vascular Plant	Isotria medeoloides	Small Whorled Pogonia	G2?		S2	LT	LE	FOREST VIEW ESTATES
14118	Vascular Plant	Isotria medeoloides	Small Whorled Pogonia	G2?		S2	LT	LE	POPLAR ESTATES
2127	Vascular Plant	Isotria medeoloides	Small Whorled Pogonia	G2?		S2	LT	LE	AQUIA CREEK TRIBUTARY SLOPES, CAMP BARRETT RAVINES, LONG BRANCH TRIBUTARY SLOPES
13436	Vascular Plant	Isotria medeoloides	Small Whorled Pogonia	G2?		S2	LT	LE	CANNON CREEK TRIBUTARY SLOPES
1208	Vascular Plant	Lathyrus palustris	Marsh pea	G5		S1			
12052	Terrestrial Natural Community	Quercus phellos - Acer rubrum - Liquidambar styraciflua / Vaccinium (formosum, fuscatum) Forest	Coastal Plain Depression Swamp (Willow Oak - Red Maple - Sweetgum Type)	G3		S2			ARKENDALE FLATWOODS
10382	Vascular Plant	Isotria medeoloides	Small Whorled Pogonia	G2?		S2	LT	LE	POTOMAC RUN, HAMPSTEAD FARM SLOPES
11177	Vascular Plant	Isotria medeoloides	Small Whorled Pogonia	G2?		S2	LT	LE	CROWS NEST
414	Vascular Plant	Isotria medeoloides	Small Whorled Pogonia	G2?		S2	LT	LE	HORSEPEN RUN
8243	Vascular Plant	Isotria medeoloides	Small Whorled Pogonia	G2?		S2	LT	LE	MOUNT WEST, HOTPATCH SLOPES, RUSSELL ROAD SLOPES
13332	Vascular Plant	Lathyrus palustris	Marsh pea	G5		S1			CROWS NEST
13788	Aquatic Natural Community	NP-Rapidan-Upper Rappahannock Second Order Stream	NP-Rapidan-Upper Rappahannock Second Order Stream	G2G3		S2S3			RICHLAND RUN SCU
9940	Terrestrial Natural Community	Impatiens capensis - Persicaria arifolia - Peltandra virginica - (Typha angustifolia) Tidal Herbaceous Vegetation	Tidal Freshwater Marsh (Mixed High Marsh Type)	G3		S3			CROWS NEST
9941	Terrestrial Natural Community	Fagus grandifolia - Quercus (alba, montana, rubra) / Kalmia latifolia Forest	Northern Coastal Plain / Piedmont Oak - Beech / Heath Forest	G4		S3			CROWS NEST
12260	Aquatic Natural Community	NC-Lower Potomac Fourth Order Stream	NC-Lower Potomac Fourth Order Stream	G1?		S1?			AQUIA CREEK - RT 1 - GOVERNMENT LANDING SCU
12265	Aquatic Natural Community	NP-Lower Potomac Second Order Stream	NP-Lower Potomac Second Order Stream	G2G3		S2S3			POTOMAC RUN UPSTREAM RT 616 SCU

CONSERVATION SITE	BIODIVERSITY RANK	LEGAL STATUS
CANNON CREEK GRASSLANDS	B2	NL
ARKENDALE FLATWOODS	B5	NL
LONG BRANCH TRIBUTARY SLOPES	B3	FL
DAVIDS CROSSROADS GRASSLANDS	B1	NL
HAMPSTEAD FARM SLOPES	B3	FL
MOUNT WEST	B3	FL
CHOPAWAMSIC CREEK	B5	NL
AQUIA CREEK - CANNON CREEK SCU	B2	FL
CHOPAWAMSIC CREEK UPSTREAM RUSSELL ROAD SCU	B2	NL
LOWER AQUIA CREEK	B4	NL
CAMP BARRETT RAVINES	B3	FL
RAPPAHANNOCK RIVER - ROCKY PEN RUN SCU	B2	FL
FALLS RUN AT RT 17 SCU	B3	NL
HOTPATCH SLOPES	B3	FL
CROWS NEST	B2	FL
HORSEPEN RUN	B3	FL
AQUIA CREEK TRIBUTARY SLOPES	B3	FL
EMBREY HILL	B5	NL
AQUIA CREEK - RT 1 - GOVERNMENT LANDING SCU	B2	NL
WHITE OAK RUN AT RT 601 SCU	B2	NL
CANNON CREEK TRIBUTARY SLOPES	B3	FL
CLAIBORNE RUN SCU	B3	NL
POTOMAC RUN UPSTREAM RT 616 SCU	B3	NL
POTOMAC RUN	B3	FL
BRENT MARSH	B3	FL
HAZEL RUN RT 1 TO RT 2 SCU	B3	NL
SMITH LAKE WEST SLOPES	B4	NL
RICHLAND RUN SCU	B3	NL
RUSSELL ROAD SLOPES	B2	FL
LITTLE FALLS RUN SCU	B3	NL
POPLAR ESTATES	B3	FL
FOREST VIEW ESTATES	B3	FL
AMBER OAKS	B3	FL
SNOW CREEK RAVINE	B4	NL

CITY OF FREDERICKSBURG
INTERSECT

EO_ID	GROUP NAME	SCIENTIFIC NAME	COMMON NAME	GLOBAL RANK	USFWS SPECIES OF CONCERN	STATE RANK	FEDERAL PROTECTION STATUS	STATE PROTECTION STATUS	ASSOCIATED CONSERVATION SITE
8575	Invertebrate Animal	Elliptio lanceolata	Yellow Lance	G2G3		S2S3	PT		
11220	Terrestrial Natural Community	Justicia americana Herbaceous Vegetation	Water-Willow Rocky Bar and Shore	G4G5		S4			EMBREY HILL
12202	Aquatic Natural Community	NC-Lower Rappahannock Second Order Stream	NC-Lower Rappahannock Second Order Stream	G2G3		S2S3			HAZEL RUN RT 1 TO RT 2 SCU

CONSERVATION SITE	BIODIVERSITY RANK	LEGAL STATUS
EMBREY HILL	B5	NL
HAZEL RUN RT 1 TO RT 2 SCU	B3	NL

2 MILE BUFFER

EO_ID	GROUP NAME	SCIENTIFIC NAME	COMMON NAME	GLOBAL RANK	USFWS SPECIES OF CONCERN	STATE RANK	FEDERAL PROTECTION STATUS	STATE PROTECTION STATUS	ASSOCIATED CONSERVATION SITE
8575	Invertebrate Animal	Elliptio lanceolata	Yellow Lance	G2G3		S2S3	PT		
10553	Terrestrial Natural Community	Acer rubrum - Nyssa sylvatica - Magnolia virginiana / Viburnum nudum / Osmundastrum cinnamomeum - Woodwardia areolata Forest	Coastal Plain / Outer Piedmont Acidic Seepage Swamp	G3?		S3			PICKETTS CIRCLE
11220	Terrestrial Natural Community	Justicia americana Herbaceous Vegetation	Water-Willow Rocky Bar and Shore	G4G5		S4			EMBREY HILL
12202	Aquatic Natural Community	NC-Lower Rappahannock Second Order Stream	NC-Lower Rappahannock Second Order Stream	G2G3		S2S3			HAZEL RUN RT 1 TO RT 2 SCU
12230	Aquatic Natural Community	NP-Lower Rappahannock Second Order Stream	NP-Lower Rappahannock Second Order Stream	G2?		S2?			HAZEL RUN RT 1 TO RT 2 SCU

CONSERVATION SITE	BIODIVERSITY RANK	LEGAL STATUS
PICKETTS CIRCLE	B4	NL
EMBREY HILL	B5	NL
HAZEL RUN RT 1 TO RT 2 SCU	B3	NL

SPOTSYLVANIA COUNTY
INTERSECT

EO_ID	GROUP NAME	SCIENTIFIC NAME	COMMON NAME	GLOBAL RANK	USFWS SPECIES OF CONCERN	STATE RANK	FEDERAL PROTECTION STATUS	STATE PROTECTION STATUS	ASSOCIATED CONSERVATION SITE
10549	Terrestrial Natural Community	Acer rubrum - Nyssa sylvatica - Magnolia virginiana / Viburnum nudum / Osmundastrum cinnamomeum - Woodwardia areolata Forest	Coastal Plain / Outer Piedmont Acidic Seepage Swamp	G3?		S3			HAMILTONS THICKET
11220	Terrestrial Natural Community	Justicia americana Herbaceous Vegetation	Water-Willow Rocky Bar and Shore	G4G5		S4			EMBREY HILL
1230	Invertebrate Animal	Stylurus laurae	Laura's Clubtail	G4		S2			
10556	Terrestrial Natural Community	Acer rubrum - Nyssa sylvatica - Magnolia virginiana / Viburnum nudum / Osmundastrum cinnamomeum - Woodwardia areolata Forest	Coastal Plain / Outer Piedmont Acidic Seepage Swamp	G3?		S3			SOUTH FREDERICKSBURG
13795	Aquatic Natural Community	NP-Mattaponi Fourth Order Stream	NP-Mattaponi Fourth Order Stream	G1		S1			MATTA RIVER SCU
4808	Vascular Plant	Quercus prinoides	Dwarf Chinquapin Oak	G5		S1			
8071	Invertebrate Animal	Alasmidonta heterodon	Dwarf Wedgemussel	G1G2		S1	LE	LE	
3995	Vascular Plant	Quercus prinoides	Dwarf Chinquapin Oak	G5		S1			
2622	Invertebrate Animal	Alasmidonta heterodon	Dwarf Wedgemussel	G1G2		S1	LE	LE	PO RIVER - ANDREWS BRIDGE SCU
11044	Terrestrial Natural Community	Quercus (phellos, pagoda, michauxii) / Ilex opaca - Clethra alnifolia / Woodwardia areolata Forest	Non-Riverine Wet Hardwood Forest (Northern Coastal Plain Type)	G2?		S2			NEW POST FLATWOODS
12855	Invertebrate Animal	Alasmidonta heterodon	Dwarf Wedgemussel	G1G2		S1	LE	LE	PO RIVER AT CORBIN BRIDGE SCU
4090	Vascular Plant	Sarracenia purpurea	Northern pitcher plant	G5		S2			
12250	Aquatic Natural Community	NP-Rapidan-Upper Rappahannock Second Order Stream	NP-Rapidan-Upper Rappahannock Second Order Stream	G2G3		S2S3			
12231	Aquatic Natural Community	NP-Lower Rappahannock Second Order Stream	NP-Lower Rappahannock Second Order Stream	G2?		S2?			MASSAPONAX CREEK SCU
12563	Terrestrial Natural Community	Acer rubrum - Fraxinus pennsylvanica / Saururus cernuus Forest	Coastal Plain / Piedmont Floodplain Swamp (Green Ash - Red Maple Type)	G3G4		S3S4			NI RIVER MASSAPONAX FLATWOODS

CONSERVATION SITE	BIODIVERSITY RANK	LEGAL STATUS
NEW POST FLATWOODS	B2	NL
NI RIVER MASSAPONAX FLATWOODS	B3	NL
COSNER CORNER EAST	B3	FL
HAMILTONS THICKET	B3	NL
LITTLE HUNTING RUN	B5	NL
MASSAPONAX CREEK SCU	B3	NL
SOUTH FREDERICKSBURG	B2	NL
PO RIVER - ANDREWS BRIDGE SCU	B2	FL
PO RIVER - STANARDS MILL SCU	B5	NL
EMBREY HILL	B5	NL
PO RIVER AT CORBIN BRIDGE SCU	B2	FL
MINE RUN SCU	B2	NL
PO RIVER AT RT 613 SCU	B4	NL
HAZEL RUN RT 1 TO RT 2 SCU	B3	NL
MATTA RIVER SCU	B2	NL
BLANTONS POWERLINE	B5	NL
SNOW CREEK RAVINE	B4	NL

2 MILE BUFFER

EO_ID	GROUP NAME	SCIENTIFIC NAME	COMMON NAME	GLOBAL RANK	USFWS SPECIES OF CONCERN	STATE RANK	FEDERAL PROTECTION STATUS	STATE PROTECTION STATUS	ASSOCIATED CONSERVATION SITE
678	Invertebrate Animal	Lampsilis radiata	Eastern Lampmussel	G5		S2S3			PO RIVER - STANARDS MILL SCU
917	Vascular Plant	Asclepias rubra	Red Milkweed	G4G5		S2			
13141	Vascular Plant	Eriocaulon decangulare var. decangulare	Ten-angled pipewort	G5T5?		S2			
13140	Vascular Plant	Asclepias rubra	Red Milkweed	G4G5		S2			HAMILTONS THICKET
6685	Invertebrate Animal	Elliptio lanceolata	Yellow Lance	G2G3		S2S3	PT		PO RIVER - ANDREWS BRIDGE SCU
10935	Invertebrate Animal	Elliptio lanceolata	Yellow Lance	G2G3		S2S3	PT		MATTA RIVER SCU
13025	Vascular Plant	Asclepias rubra	Red Milkweed	G4G5		S2			LAKE ANNA UPLANDS
8479	Vascular Plant	Asclepias rubra	Red Milkweed	G4G5		S2			LITTLE HUNTING RUN
11458	Vascular Plant	Ranunculus ambigens	Water-plantain crowfoot	G4		S1			
6684	Invertebrate Animal	Callophrys irus	Frosted Elfin	G3		S2?			
10549	Terrestrial Natural Community	Acer rubrum - Nyssa sylvatica - Magnolia virginiana / Viburnum nudum / Osmundastrum cinnamomeum - Woodwardia areolata Forest	Coastal Plain / Outer Piedmont Acidic Seepage Swamp	G3?		S3			HAMILTONS THICKET
10553	Terrestrial Natural Community	Acer rubrum - Nyssa sylvatica - Magnolia virginiana / Viburnum nudum / Osmundastrum cinnamomeum - Woodwardia areolata Forest	Coastal Plain / Outer Piedmont Acidic Seepage Swamp	G3?		S3			PICKETTS CIRCLE
11272	Invertebrate Animal	Elliptio roanokensis	Roanoke Slabshell	G3		S2			PO RIVER - WRIGHTS POND - PILTZER CREEK SCU
11220	Terrestrial Natural Community	Justicia americana Herbaceous Vegetation	Water-Willow Rocky Bar and Shore	G4G5		S4			EMBREY HILL
1230	Invertebrate Animal	Stylurus laurae	Laura's Clubtail	G4		S2			
12205	Aquatic Natural Community	NP-Mattaponi First Order Stream	NP-Mattaponi First Order Stream	G3?		S3?			PO RIVER AT RT 613 SCU
12206	Aquatic Natural Community	NP-Mattaponi First Order Stream	NP-Mattaponi First Order Stream	G3?		S3?			MATTA RIVER SCU

12562	Terrestrial Natural Community	Quercus (phellos, palustris, michauxii) - Liquidambar styraciflua / Cinna arundinacea Forest	Northern Coastal Plain / Inner Piedmont Mixed Oak Floodplain Swamp	G3G4		S3?			NI RIVER MASSAPONAX FLATWOODS
12222	Aquatic Natural Community	NP-Pamunkey Second Order Stream	NP-Pamunkey Second Order Stream	G3		S3			PLENTIFUL CREEK SCU
13139	Vascular Plant	Liparis loeselii	Bog twayblade	G5		S2			FAWN LAKE SOUTH
13092	Vascular Plant	Eriocaulon decangulare var. decangulare	Ten-angled pipewort	G5T5?		S2			LAKE ANNA UPLANDS
10556	Terrestrial Natural Community	Acer rubrum - Nyssa sylvatica - Magnolia virginiana / Viburnum nudum / Osmundastrum cinnamomeum - Woodwardia areolata Forest	Coastal Plain / Outer Piedmont Acidic Seepage Swamp	G3?		S3			SOUTH FREDERICKSBURG
13763	Aquatic Natural Community	NP-Lower Rappahannock Third Order Stream	NP-Lower Rappahannock Third Order Stream	G1		S1			MINE RUN SCU
13794	Aquatic Natural Community	NP-Mattaponi Fourth Order Stream	NP-Mattaponi Fourth Order Stream	G1		S1			PO RIVER - ANDREWS BRIDGE SCU
13795	Aquatic Natural Community	NP-Mattaponi Fourth Order Stream	NP-Mattaponi Fourth Order Stream	G1		S1			MATTA RIVER SCU
4531	Invertebrate Animal	Alasmidonta heterodon	Dwarf Wedgemussel	G1G2		S1	LE	LE	PO RIVER - WRIGHTS POND - PILTZER CREEK SCU
4808	Vascular Plant	Quercus prinoides	Dwarf Chinquapin Oak	G5		S1			
3572	Invertebrate Animal	Alasmidonta heterodon	Dwarf Wedgemussel	G1G2		S1	LE	LE	RAPPAHANNOCK RIVER - ROCKY PEN RUN SCU
8071	Invertebrate Animal	Alasmidonta heterodon	Dwarf Wedgemussel	G1G2		S1	LE	LE	
3995	Vascular Plant	Quercus prinoides	Dwarf Chinquapin Oak	G5		S1			
10555	Terrestrial Natural Community	Quercus (phellos, pagoda, michauxii) / Ilex opaca - Clethra alnifolia / Woodwardia areolata Forest	Non-Riverine Wet Hardwood Forest (Northern Coastal Plain Type)	G2?		S2			SOUTH FREDERICKSBURG
2622	Invertebrate Animal	Alasmidonta heterodon	Dwarf Wedgemussel	G1G2		S1	LE	LE	PO RIVER - ANDREWS BRIDGE SCU
11044	Terrestrial Natural Community	Quercus (phellos, pagoda, michauxii) / Ilex opaca - Clethra alnifolia / Woodwardia areolata Forest	Non-Riverine Wet Hardwood Forest (Northern Coastal Plain Type)	G2?		S2			NEW POST FLATWOODS
12855	Invertebrate Animal	Alasmidonta heterodon	Dwarf Wedgemussel	G1G2		S1	LE	LE	PO RIVER AT CORBIN BRIDGE SCU
4090	Vascular Plant	Sarracenia purpurea	Northern pitcher plant	G5		S2			
10757	Vascular Plant	Isotria medeoloides	Small Whorled Pogonia	G2?		S2	LT	LE	NI RIVER TRIBUTARY SLOPES
4965	Vascular Plant	Isotria medeoloides	Small Whorled Pogonia	G2?		S2	LT	LE	UPPER MINE RUN TRIBUTARY
10548	Terrestrial Natural Community	Quercus phellos - Acer rubrum - Liquidambar styraciflua / Vaccinium (formosum, fuscatum) Forest	Coastal Plain Depression Swamp (Willow Oak - Red Maple - Sweetgum Type)	G3		S2			HAMILTONS THICKET
12561	Terrestrial Natural Community	Quercus phellos - Acer rubrum - Liquidambar styraciflua / Vaccinium (formosum, fuscatum) Forest	Coastal Plain Depression Swamp (Willow Oak - Red Maple - Sweetgum Type)	G3		S2			NI RIVER MASSAPONAX FLATWOODS
10961	Terrestrial Natural Community	Quercus alba - Quercus (coccinea, velutina, montana) / Gaylussacia baccata Forest	Piedmont / Central Appalachian Mixed Oak / Heath Forest	G5		S5			LAKE ANNA UPLANDS
12225	Aquatic Natural Community	NP-Pamunkey Fifth Order Stream	NP-Pamunkey Fifth Order Stream	G1G2		S1S2			NORTH ANNA RIVER BELOW RT 601 SCU
12250	Aquatic Natural Community	NP-Rapidan-Upper Rappahannock Second Order Stream	NP-Rapidan-Upper Rappahannock Second Order Stream	G2G3		S2S3			
10827	Vascular Plant	Isotria medeoloides	Small Whorled Pogonia	G2?		S2	LT	LE	COSNER CORNER EAST
12231	Aquatic Natural Community	NP-Lower Rappahannock Second Order Stream	NP-Lower Rappahannock Second Order Stream	G2?		S2?			MASSAPONAX CREEK SCU
5525	Vascular Plant	Saccharum coarctatum	Compressed plumegrass	G5?		S1			
6226	Invertebrate Animal	Lasmigona subviridis	Green Floater	G3		S2		LT	
12563	Terrestrial Natural Community	Acer rubrum - Fraxinus pennsylvanica / Saururus cernuus Forest	Coastal Plain / Piedmont Floodplain Swamp (Green Ash - Red Maple Type)	G3G4		S3S4			NI RIVER MASSAPONAX FLATWOODS

CONSERVATION SITE	BIODIVERSITY RANK	LEGAL STATUS
NEW POST FLATWOODS	B2	NL
UPPER MINE RUN TRIBUTARY	B3	FL
LAKE ANNA UPLANDS	B5	NL
NI RIVER MASSAPONAX FLATWOODS	B3	NL
COSNER CORNER EAST	B3	FL
HAMILTONS THICKET	B3	NL
PICKETTS CIRCLE	B4	NL
LITTLE HUNTING RUN	B5	NL
PO RIVER - WRIGHTS POND - PILTZER CREEK SCU	B2	FL
RAPPAHANNOCK RIVER - ROCKY PEN RUN SCU	B2	FL
MASSAPONAX CREEK SCU	B3	NL
SOUTH FREDERICKSBURG	B2	NL
PO RIVER - ANDREWS BRIDGE SCU	B2	FL
PO RIVER - STANARDS MILL SCU	B5	NL
EMBREY HILL	B5	NL
NORTH ANNA RIVER BELOW RT 601 SCU	B2	NL
PO RIVER AT CORBIN BRIDGE SCU	B2	FL
MINE RUN SCU	B2	NL
PO RIVER AT RT 613 SCU	B4	NL
FAWN LAKE SOUTH	B5	NL
PLENTIFUL CREEK SCU	B4	NL
HAZEL RUN RT 1 TO RT 2 SCU	B3	NL
MATTA RIVER SCU	B2	NL
BLANTONS POWERLINE	B5	NL
NI RIVER TRIBUTARY SLOPES	B3	FL
SNOW CREEK RAVINE	B4	NL

KING GEORGE COUNTY

INTERSECT

EO_ID	GROUP NAME	SCIENTIFIC NAME	COMMON NAME	GLOBAL RANK	USFWS SPECIES OF CONCERN	STATE RANK	FEDERAL PROTECTION STATUS	STATE PROTECTION STATUS	ASSOCIATED CONSERVATION SITE
5859	Terrestrial Natural Community	Fagus grandifolia - Quercus (alba, rubra) - Liriodendron tulipifera / (Ilex opaca) / Polystichum acrostichoides Forest	Northern Coastal Plain / Piedmont Mesic Mixed Hardwood Forest	G5		S5			CALEDON

ASSOCIATED CONSERVATION SITE	BIODIVERSITY RANK	LEGAL STATUS
CALEDON	B4	NL
WHITE OAK RUN AT RT 601 SCU	B2	NL
DICKS CREEK AT RT 17 SCU	B3	NL

2 MILE BUFFER

EO_ID	GROUP NAME	SCIENTIFIC NAME	COMMON NAME	GLOBAL RANK	USFWS SPECIES OF CONCERN	STATE RANK	FEDERAL PROTECTION STATUS	STATE PROTECTION STATUS	ASSOCIATED CONSERVATION SITE

5859	Terrestrial Natural Community	Fagus grandifolia - Quercus (alba, rubra) - Liriodendron tulipifera / (Ilex opaca) / Polystichum acrosticholdes Forest	Northern Coastal Plain / Piedmont Mesic Mixed Hardwood Forest	G5		S5			CALEDON
8186	Vascular Plant	Bolboschoenus fluviatilis	River Bulrush	G5		S2			CLEVE MARSH
7513	Terrestrial Natural Community	Schoenoplectus americanus - Spartina patens Tidal Herbaceous Vegetation	Tidal Oligohaline Marsh (Saltmeadow Cordgrass - Olney Threesquare Low Interior Marsh Type)	G3		S3?			CHOTANK CREEK
12416	Terrestrial Natural Community	Quercus (phellos, pagoda, michauxii) / Ilex opaca - Clethra alnifolia / Woodwardia areolata Forest	Non-Riverine Wet Hardwood Forest (Northern Coastal Plain Type)	G2?		S2			CHOTANK CREEK
733	Vascular Plant	Carex lacustris	Lake-shore sedge	G5		S1			CLEVE MARSH
5002	Terrestrial Natural Community	Quercus phellos - Acer rubrum - Liquidambar styraciflua / Vaccinium (formosum, fuscatum) Forest	Coastal Plain Depression Swamp (Willow Oak - Red Maple - Sweetgum Type)	G3		S2			CHOTANK CREEK
3454	Terrestrial Natural Community	Quercus phellos - Acer rubrum - Liquidambar styraciflua / Vaccinium (formosum, fuscatum) Forest	Coastal Plain Depression Swamp (Willow Oak - Red Maple - Sweetgum Type)	G3		S2			CHOTANK CREEK
10188	Terrestrial Natural Community	Iva frutescens / Spartina cynosuroides Tidal Shrubland	Mesohaline Tidal Shrub Swamp (Riverine Type)	G4		SU			CHOTANK CREEK

CONSERVATION SITE	BIODIVERSITY RANK	LEGAL STATUS
CHOTANK CREEK	B3	NL
CALEDON	B4	NL
WHITE OAK RUN AT RT 601 SCU	B2	NL
DICKS CREEK AT RT 17 SCU	B3	NL
CLEVE MARSH	B4	NL

CAROLINE COUNTY

INTERSECT

EO_ID	GROUP NAME	SCIENTIFIC NAME	COMMON NAME	GLOBAL RANK	USFWS SPECIES OF CONCERN	STATE RANK	FEDERAL PROTECTION STATUS	STATE PROTECTION STATUS	ASSOCIATED CONSERVATION SITE
334	Invertebrate Animal	Somatochlora filosa	Fine-lined Emerald	G5		S2			POLECAT CREEK - PENOLA SCU
6557	Vascular Plant	Myriophyllum humile	Low Water-milfoil	G5		S1			
8185	Vascular Plant	Schoenoplectus subterminalis	Water Bulrush	G5		S1			MEADOW CREEK
7963	Vascular Plant	Utricularia purpurea	Purple Bladderwort	G5		S2			
7889	Vascular Plant	Crocanthemum bicknellii	Plains Frostweed	G5		S1			
647	Vascular Plant	Mimosa microphylla	Little-leaf sensitive-brier	G5T5		S1			ccaro_Doggotts Fork Roadside
3547	Vascular Plant	Xyris caroliniana	Carolina yellow-eyed grass	G4G5		S1			
10295	Terrestrial Natural Community	Fagus grandifolia - Liriodendron tulipifera - Carya cordiformis / Lindera benzoin / Podophyllum peltatum Forest	Coastal Plain / Outer Piedmont Basic Mesic Forest	G4?		S3			MOUNT CREEK SLOPES
637	Invertebrate Animal	Sigara depressa	Virginia Piedmont Water Boatman	G1G2	SOC	S1S2		LE	
10604	Invertebrate Animal	Nannothemis bella	Elfin Skimmer	G4		S1			MEADOW CREEK
12213	Aquatic Natural Community	NC-Lower Rappahannock Second Order Stream	NC-Lower Rappahannock Second Order Stream	G2G3		S2S3			DICKS CREEK AT RT 17 SCU
11066	Terrestrial Natural Community	Fagus grandifolia - Quercus (alba, rubra) - Liriodendron tulipifera / (Ilex opaca) / Polystichum acrostichoides Forest	Northern Coastal Plain / Piedmont Mesic Mixed Hardwood Forest	G5		S5			GOLDENVALE CREEK
887	Terrestrial Natural Community	Fagus grandifolia - Quercus (alba, rubra) - Liriodendron tulipifera / (Ilex opaca) / Polystichum acrostichoides Forest	Northern Coastal Plain / Piedmont Mesic Mixed Hardwood Forest	G5		S5			MOUNT CREEK SLOPES
582	Terrestrial Natural Community	Quercus (phellos, palustris, michauxii) - Liquidambar styraciflua / Cinna arundinacea Forest	Northern Coastal Plain / Inner Piedmont Mixed Oak Floodplain Swamp	G3G4		S3?			LOWER POLECAT CREEK
12214	Aquatic Natural Community	NC-Lower Rappahannock Second Order Stream	NC-Lower Rappahannock Second Order Stream	G2G3		S2S3			WARE CREEK AT RT 614 SCU
7105	Vascular Plant	Helonias bullata	Swamp-pink	G3		S2S3	LT	LE	MATTAPONI - PENOLA SPRINGS AND SEEPS
1711	Vascular Plant	Lachnocaulon anceps	Common bog-buttons	G5		S1			
1870	Vascular Plant	Sarracenia purpurea	Northern pitcher plant	G5		S2			
10987	Terrestrial Natural Community	Fagus grandifolia - Quercus (alba, montana, rubra) / Kalmia latifolia Forest	Northern Coastal Plain / Piedmont Oak - Beech / Heath Forest	G4		S3			MOUNT CREEK SLOPES

CONSERVATION SITE	BIODIVERSITY RANK	LEGAL STATUS
MEADOW CREEK	B2	FL
POLECAT CREEK - PENOLA SCU	B3	NL
DICKS CREEK AT RT 17 SCU	B3	NL
WARE CREEK AT RT 614 SCU	B3	NL
CATTLET CREEK - TURKEY TRACK CREEK	B2	FL
MOUNT CREEK SLOPES	B2	NL
MARACOSSIC CREEK	B3	FL
REEDY CREEK - MILL CREEK - PHILLIPS POND SCU	B3	NL
MATTA RIVER SCU	B2	NL
LOWER POLECAT CREEK	B5	NL
BLANTONS POWERLINE	B5	NL
SNOW CREEK RAVINE	B4	NL
GOLDENVALE CREEK	B4	NL
MATTAPONI - PENOLA SPRINGS AND SEEPS	B4	FL

2 MILE BUFFER

EO_ID	GROUP NAME	SCIENTIFIC NAME	COMMON NAME	GLOBAL RANK	USFWS SPECIES OF CONCERN	STATE RANK	FEDERAL PROTECTION STATUS	STATE PROTECTION STATUS	ASSOCIATED CONSERVATION SITE
334	Invertebrate Animal	Somatochlora filosa	Fine-lined Emerald	G5		S2			POLECAT CREEK - PENOLA SCU
13438	Vascular Plant	Helonias bullata	Swamp-pink	G3		S2S3	LT	LE	UPPER WARE CREEK
820	Vascular Plant	Potamogeton oakesianus	Oakes' pondweed	G5		S1			REEDY CREEK - MILL CREEK - PHILLIPS POND SCU
2136	Vascular Plant	Helonias bullata	Swamp-pink	G3		S2S3	LT	LE	CARTERS CORNER
11584	Vascular Plant	Carex buxbaumii	Brown Bog Sedge	G5		S2			BLANTONS POWERLINE
1496	Vascular Plant	Mimosa microphylla	Little-leaf sensitive-brier	G5T5		S1			PEATROSS SWAMP
1792	Vascular Plant	Eriocaulon parkeri	Parker's Pipewort	G3		S2			
12506	Vascular Plant	Rhynchospora alba	Northern white beaksedge	G5		S2			REEDY CREEK SEEPS
6699	Vascular Plant	Mimosa microphylla	Little-leaf sensitive-brier	G5T5		S1			
2739	Vascular Plant	Carex vestita	Velvet sedge	G5		S2			REEDY CREEK SEEPS
4344	Vascular Plant	Rhynchospora alba	Northern white beaksedge	G5		S2			CATTLET CREEK - TURKEY TRACK CREEK
4503	Vascular Plant	Potamogeton oakesianus	Oakes' pondweed	G5		S1			

4543	Vascular Plant	Mimosa microphylla	Little-leaf sensitive-brier	G5T5		S1			REEDY CREEK SEEPS
5763	Vascular Plant	Bolboschoenus fluviatilis	River Bulrush	G5		S2			CLEVE MARSH
5615	Vascular Plant	Helonias bullata	Swamp-pink	G3		S2S3	LT	LE	REYNOLDS RUN
13216	Vertebrate Animal	Myotis sodalis	Indiana Bat	G2		S1	LE	LE	GOLDENVALE CREEK TRIBUTARY SLOPES - LYON ROAD
6557	Vascular Plant	Myriophyllum humile	Low Water-milfoil	G5		S1			
8185	Vascular Plant	Schoenoplectus subterminalis	Water Bulrush	G5		S1			MEADOW CREEK
7963	Vascular Plant	Utricularia purpurea	Purple Bladderwort	G5		S2			
7889	Vascular Plant	Crocanthemum bicknellii	Plains Frostweed	G5		S1			
647	Vascular Plant	Mimosa microphylla	Little-leaf sensitive-brier	G5T5		S1			ccaro_Doggetts Fork Roadside
3547	Vascular Plant	Xyris caroliniana	Carolina yellow-eyed grass	G4G5		S1			
9829	Vascular Plant	Sabatia campanulata	Slender Marsh Pink	G5		S2			CATTLET CREEK - TURKEY TRACK CREEK
11067	Invertebrate Animal	Nehalennia gracilis	Sphagnum Sprite	G5		S2			UPPER WARE CREEK
9504	Vascular Plant	Mimosa microphylla	Little-leaf sensitive-brier	G5T5		S1			PEATROSS
10295	Terrestrial Natural Community	Fagus grandifolia - Liriodendron tulipifera - Carya cordiformis / Lindera benzoin / Podophyllum peltatum Forest	Coastal Plain / Outer Piedmont Basic Mesic Forest	G4?		S3			MOUNT CREEK SLOPES
5856	Terrestrial Natural Community	Acer rubrum - Nyssa sylvatica - Magnolia virginiana / Viburnum nudum / Osmundastrum cinnamomeum - Woodwardia areolata Forest	Coastal Plain / Outer Piedmont Acidic Seepage Swamp	G3?		S3			CATTLET CREEK - TURKEY TRACK CREEK
806	Vascular Plant	Helonias bullata	Swamp-pink	G3		S2S3	LT	LE	CATTLET CREEK - TURKEY TRACK CREEK, MILL CREEK SLOPES
637	Invertebrate Animal	Sigara depressa	Virginia Piedmont Water Boatman	G1G2	SOC	S1S2		LE	
625	Vascular Plant	Stachys eplingii	Epling's Hedge-nettle	G5		S1			BLANTONS POWERLINE
10440	Vertebrate Animal	Siren intermedia	Lesser Siren	G5		S2S3			CATTLET CREEK - TURKEY TRACK CREEK
10598	Vertebrate Animal	Siren intermedia	Lesser Siren	G5		S2S3			MARACOSSIC CREEK
10604	Invertebrate Animal	Nannothemis bella	Elfin Skimmer	G4		S1			MEADOW CREEK
2230	Terrestrial Natural Community	Acer rubrum - Nyssa sylvatica - Magnolia virginiana / Viburnum nudum / Osmundastrum cinnamomeum - Woodwardia areolata Forest	Coastal Plain / Outer Piedmont Acidic Seepage Swamp	G3?		S3			CATTLET CREEK - TURKEY TRACK CREEK
10602	Vertebrate Animal	Siren intermedia	Lesser Siren	G5		S2S3			CARTERS CORNER
12213	Aquatic Natural Community	NC-Lower Rappahannock Second Order Stream	NC-Lower Rappahannock Second Order Stream	G2G3		S2S3			DICKS CREEK AT RT 17 SCU
9662	Invertebrate Animal	Nannothemis bella	Elfin Skimmer	G4		S1			CATTLET CREEK - TURKEY TRACK CREEK
11066	Terrestrial Natural Community	Fagus grandifolia - Quercus (alba, rubra) - Liriodendron tulipifera / (Ilex opaca) / Polystichum acrostichoides Forest	Northern Coastal Plain / Piedmont Mesic Mixed Hardwood Forest	G5		S5			GOLDENVALE CREEK
887	Terrestrial Natural Community	Fagus grandifolia - Quercus (alba, rubra) - Liriodendron tulipifera / (Ilex opaca) / Polystichum acrostichoides Forest	Northern Coastal Plain / Piedmont Mesic Mixed Hardwood Forest	G5		S5			MOUNT CREEK SLOPES
582	Terrestrial Natural Community	Quercus (phellos, palustris, michauxii) - Liquidambar styraciflua / Cinna arundinacea Forest	Northern Coastal Plain / Inner Piedmont Mixed Oak Floodplain Swamp	G3G4		S3?			LOWER POLECAT CREEK
6808	Vascular Plant	Rhynchospora alba	Northern white beaksedge	G5		S2			
2464	Vascular Plant	Schoenoplectus subterminalis	Water Bulrush	G5		S1			CATTLET CREEK - TURKEY TRACK CREEK
10997	Vascular Plant	Rhynchospora alba	Northern white beaksedge	G5		S2			MEADOW CREEK
12215	Aquatic Natural Community	NC-Lower Rappahannock Second Order Stream	NC-Lower Rappahannock Second Order Stream	G2G3		S2S3			MOUNT CREEK AT EWELL RD SCU
12214	Aquatic Natural Community	NC-Lower Rappahannock Second Order Stream	NC-Lower Rappahannock Second Order Stream	G2G3		S2S3			WARE CREEK AT RT 614 SCU
12166	Aquatic Natural Community	NC-Mattaponi Second Order Stream	NC-Mattaponi Second Order Stream	G2G3		S2S3			REEDY CREEK - MILL CREEK - PHILLIPS POND SCU
7387	Terrestrial Natural Community	Fagus grandifolia - Quercus (alba, rubra) - Liriodendron tulipifera / (Ilex opaca) / Polystichum acrostichoides Forest	Northern Coastal Plain / Piedmont Mesic Mixed Hardwood Forest	G5		S5			CATTLET CREEK - TURKEY TRACK CREEK
10819	Invertebrate Animal	Nannothemis bella	Elfin Skimmer	G4		S1			MARACOSSIC CREEK
13371	Vascular Plant	Liparis loeselii	Bog twayblade	G5		S2			HERNS POND TRAILS
12427	Vascular Plant	Helonias bullata	Swamp-pink	G3		S2S3	LT	LE	CATTLET CREEK - TURKEY TRACK CREEK
4447	Vascular Plant	Helonias bullata	Swamp-pink	G3		S2S3	LT	LE	CATTLET CREEK - TURKEY TRACK CREEK
13219	Vascular Plant	Helonias bullata	Swamp-pink	G3		S2S3	LT	LE	MEADOW CREEK
13796	Aquatic Natural Community	NC-Mattaponi Third Order Stream	NC-Mattaponi Third Order Stream	G2G3		S2S3			POLECAT CREEK - PENOLA SCU
7105	Vascular Plant	Helonias bullata	Swamp-pink	G3		S2S3	LT	LE	MATTAPONI - PENOLA SPRINGS AND SEEPS
1711	Vascular Plant	Lachnocaulon anceps	Common bog-buttons	G5		S1			
8578	Vascular Plant	Quercus prinoides	Dwarf Chinquapin Oak	G5		S1			PEATROSS
2886	Invertebrate Animal	Stygobromus foliatus	A Groundwater Amphipod	G2	SOC	S2			MOUNT CREEK SLOPES
11577	Vascular Plant	Xyris curtissii	Curtiss' yellow-eyed grass	G5T5		S1			REEDY CREEK SEEPS
2164	Vascular Plant	Sarracenia purpurea	Northern pitcher plant	G5		S2			PEATROSS SWAMP
1960	Vascular Plant	Sarracenia purpurea	Northern pitcher plant	G5		S2			MEADOW CREEK
1358	Vascular Plant	Sarracenia purpurea	Northern pitcher plant	G5		S2			MEADOW CREEK
2710	Vascular Plant	Sarracenia purpurea	Northern pitcher plant	G5		S2			
5940	Vascular Plant	Sarracenia purpurea	Northern pitcher plant	G5		S2			MATTAPONI - PENOLA SPRINGS AND SEEPS
5264	Vascular Plant	Sarracenia flava	Yellow Pitcher-plant	G5?		S1			
5166	Vascular Plant	Isotria medeoloides	Small Whorled Pogonia	G2?		S2	LT	LE	CATTLET CREEK - TURKEY TRACK CREEK
7655	Vascular Plant	Sarracenia purpurea	Northern pitcher plant	G5		S2			REEDY CREEK SEEPS
4818	Vascular Plant	Platanthera blephariglottis	Small white fringed orchid	G4G5		S2			REEDY CREEK SEEPS
8764	Vascular Plant	Eleocharis robbinsii	Robbins' spikerush	G4G5		S1			MARACOSSIC CREEK
8551	Vascular Plant	Sarracenia purpurea	Northern pitcher plant	G5		S2			
8552	Vascular Plant	Sarracenia purpurea	Northern pitcher plant	G5		S2			
7903	Vascular Plant	Isotria medeoloides	Small Whorled Pogonia	G2?		S2	LT	LE	CATTLET CREEK - TURKEY TRACK CREEK
10589	Vascular Plant	Isotria medeoloides	Small Whorled Pogonia	G2?		S2	LT	LE	GOLDENVALE CREEK TRIBUTARY SLOPES - LYON ROAD
5817	Terrestrial Natural Community	Alnus serrulata - Magnolia virginiana / Andropogon glomeratus - Eupatorium pilosum - Rhynchospora gracilenta - Xyris torta Shrub Herbaceous Vegetation	Coastal Plain / Outer Piedmont Seepage Bog	G1		S1			
10996	Vascular Plant	Isotria medeoloides	Small Whorled Pogonia	G2?		S2	LT	LE	MARACOSSIC CREEK
1870	Vascular Plant	Sarracenia purpurea	Northern pitcher plant	G5		S2			
10438	Invertebrate Animal	Ceithemis martha	Martha's Pennant	G4		S2			MEADOW CREEK
10434	Invertebrate Animal	Ceithemis martha	Martha's Pennant	G4		S2			CATTLET CREEK - TURKEY TRACK CREEK
989	Vascular Plant	Sarracenia purpurea	Northern pitcher plant	G5		S2			MEADOW CREEK

246	Terrestrial Natural Community	Alnus serrulata - Magnolia virginiana / Andropogon glomeratus - Eupatorium pilosum - Rhynchospora gracilenta - Xyris torta Shrub Herbaceous Vegetation	Coastal Plain / Outer Piedmont Seepage Bog	G1		S1			MEADOW CREEK
13719	Vascular Plant	Trillium pusillum var. virginianum	Virginia Least Trillium	G3T2	SOC	S2			TANYARD SWAMP RAVINE
13370	Vascular Plant	Sarracenia purpurea	Northern pitcher plant	G5		S2			TURKEY TRACK CREEK TRIB
2358	Vascular Plant	Kalmia angustifolia	Sheep laurel	G5		S2			CATTLET CREEK - TURKEY TRACK CREEK
2740	Vascular Plant	Kalmia angustifolia	Sheep laurel	G5		S2			
3677	Vascular Plant	Juncus caesariensis	New Jersey Rush	G2G3	SOC	S2		LT	UPPER WARE CREEK
5348	Vascular Plant	Kalmia angustifolia	Sheep laurel	G5		S2			REEDY CREEK SEEPS
7438	Vascular Plant	Juncus caesariensis	New Jersey Rush	G2G3	SOC	S2		LT	WRIGHTS CORNER, WRIGHTS CORNER SOUTH
10987	Terrestrial Natural Community	Fagus grandifolia - Quercus (alba, montana, rubra) / Kalmia latifolia Forest	Northern Coastal Plain / Piedmont Oak - Beech / Heath Forest	G4		S3			MOUNT CREEK SLOPES
7131	Vascular Plant	Juncus caesariensis	New Jersey Rush	G2G3	SOC	S2		LT	COLEMANS MILL BOG, REEDY CREEK SEEPS
11045	Terrestrial Natural Community	Fagus grandifolia - Quercus (alba, montana, rubra) / Kalmia latifolia Forest	Northern Coastal Plain / Piedmont Oak - Beech / Heath Forest	G4		S3			SNOW CREEK RAVINE
5417	Vascular Plant	Juncus caesariensis	New Jersey Rush	G2G3	SOC	S2		LT	CATTLET CREEK - TURKEY TRACK CREEK, TURKEY TRACK CREEK TRIB
4423	Vascular Plant	Juncus caesariensis	New Jersey Rush	G2G3	SOC	S2		LT	MEADOW CREEK
2525	Vascular Plant	Kalmia angustifolia	Sheep laurel	G5		S2			MARACOSSIC CREEK
11614	Vascular Plant	Dichanthelium consanguineum	Blood panic grass	G5		S1S2			BLANTONS POWERLINE
12054	Terrestrial Natural Community	Cephalanthus occidentalis - Decodon verticillatus Shrubland	Coastal Plain / Piedmont Oxbow Shrub Swamp	G4G5		SU			MATTAPONI OXBOW
6481	Vascular Plant	Kalmia angustifolia	Sheep laurel	G5		S2			CARTERS CORNER

CONSERVATION SITE	BIODIVERSITY RANK	LEGAL STATUS
REEDY CREEK SEEPS	B3	SL
COLEMANS MILL BOG	B3	SL
GOLDENVALE CREEK TRIBUTARY SLOPES - LYON ROAD	B3	FL
MEADOW CREEK	B2	FL
POLECAT CREEK - PENOLA SCU	B3	NL
MOUNT CREEK AT EWELL RD SCU	B2	NL
UPPER WARE CREEK	B3	FL
TURKEY TRACK CREEK TRIB	B3	SL
REYNOLDS RUN	B5	FL
DICKS CREEK AT RT 17 SCU	B3	NL
WARE CREEK AT RT 614 SCU	B3	NL
CATTLET CREEK - TURKEY TRACK CREEK	B2	FL
PEATROSS	B4	NL
CARTERS CORNER	B1	FL
MOUNT CREEK SLOPES	B2	NL
MARACOSSIC CREEK	B3	FL
REEDY CREEK - MILL CREEK - PHILLIPS POND SCU	B3	NL
CLEVE MARSH	B4	NL
MATTA RIVER SCU	B2	NL
ROLLINS FORK RAVINES	B4	NL
MATTAPONI OXBOW	B4	NL
PEATROSS SWAMP	B5	NL
LOWER POLECAT CREEK	B5	NL
WRIGHTS CORNER SOUTH	B3	SL
BLANTONS POWERLINE	B5	NL
WRIGHTS CORNER	B3	SL
HERNS POND TRAILS	B5	NL
SNOW CREEK RAVINE	B4	NL
GOLDENVALE CREEK	B4	NL
TANYARD SWAMP RAVINE	B4	NL
MATTAPONI - PENOLA SPRINGS AND SEEPS	B4	FL

Two comments on the draft bicycle and pedestrian plan:

1) edit Potomac Heritage National Scenic Trail section to read:

The Potomac Heritage National Scenic Trail (PHT), a component of the National Trails System, is an evolving network of locally-managed trails and routes between the mouth of the Potomac River and the Allegheny Highlands in western Pennsylvania, providing opportunities to experience the ecology, history and culture in five physiographic provinces. With the Chesapeake and Ohio Canal Towpath as the spine of the network, non-motorized modes of travel vary by segment, including foot, bicycle, horse, boat and cross-country skis.

Within the GW Region, the PHT network includes the Belmont-Ferry Farm Trail, the Dahlgren Railroad Heritage Trail, the Potomac River Water Trail, the trail loop on Government Island, and existing and planned bicycling routes between Locust Shade Park in southern Prince William County and Colonial Beach in Westmoreland County. The concept for the PHT is being used to increase opportunities for outdoor recreation and heritage tourism and to link local resources with themes that explore the evolution of the Nation.

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2)

Bicycling routes identified as primary segments of the Potomac Heritage National Scenic Trail should include bicycle lanes (e.g., on State Route 218 between the eastern segment of the Dahlgren Railroad Heritage and Colonial Beach) to accommodate long-distance travel as well as address local transportation needs.