COMMONWEALTH of VIRGINIA

DEPARTMENT OF ENVIRONMENTAL QUALITY
Street address: 629 East Main Street, Richmond, Virginia 23219
Mailing address: P.O. Box 1105, Richmond, Virginia 23218
TDD (804) 698-4021
www.deq.virginia.gov

Douglas W. Domenech
Secretary of Natural Resources

David K. Paylor
Director

(804) 698-4020
1-800-592-5482

December 13, 2013

Mr. Dwight L. Farmer, Executive Director
Hampton Roads Planning District Commission
723 Woodlake Drive
Chesapeake, VA 23320

SUBJECT: Compliance Determination for Hampton Roads Regional Water Supply Plan

Dear Mr. Farmer:

Thank you for your efforts to develop and submit the water supply program for your localities. We recognize the significant level of effort the localities put forth in the development of this first program, particularly given the amount of data necessary to successfully meet the program requirements. The information you provided will be very valuable to the Commonwealth as we collectively plan for how best to meet the future water needs of all Virginians.

The Department of Environment Quality (DEQ) has completed review of the water supply program you submitted in accordance with 9 VAC 25-780-50. DEQ has determined that your program conditionally complies with the regulation, provided that the identified conditions are addressed by the five-year review and update. The attached documentation outlines the conditions of compliance and provides a record of the review by DEQ and other state agencies as required in 9 VAC 25-780-140.

My staff will be following up with you to assist with addressing the conditions prior to the five-year review and update of your water supply program. If you have any questions please contact Tammy Stephenson, Water Supply Planning Program Coordinator, at (540) 562-6828.

Thank you for your efforts to promote sound water supply planning in your community. My staff and I look forward to working with you to meet your future water supply needs.

Please share this decision with the planning partners in your region.

Sincerely,

David K. Paylor

DKP:ewf
Attachment

Douglas W. Domenech
Secretary of Natural Resources

David A. Johnson
Director

COMMONWEALTH of VIRGINIA

DEPARTMENT OF CONSERVATION AND RECREATION

203 Governor Street
Richmond, Virginia 23219-2010
(804) 786-1712

MEMORANDUM

DATE: March 14, 2013

TO: Tammy Stephenson, DEQ

FROM: Roberta Rhur, Environmental Impact Review Coordinator

SUBJECT: DEQ, Hampton Roads Regional Water Supply Plan

Division of Planning and Recreational Resources

The Department of Conservation and Recreation (DCR), Division of Planning and Recreational Resources (PRR), develops the *Virginia Outdoors Plan* and coordinates a broad range of recreational and environmental programs throughout Virginia. These include the Virginia Scenic Rivers program; Trails, Greenways, and Blueways; Virginia State Park Master Planning and State Park Design and Construction.

The James River is designated scenic in James City County and been found worthy of designation all reaches south. Both the Nottoway River, in Sussex and Southampton Counties, and the Blackwater River, in Isle of Wight County and the City of Suffolk, have been designated scenic. A section of the North Landing River located in the City of Virginia Beach has also been designated as scenic. In the City of Chesapeake, the North River has been found to qualify for scenic designation. All of the river reaches mentioned are established water trails and heavily used by the local population.

These designations indicate river access is a high priority for local recreational enthusiasts. Therefore, any regional water plans should consider actions that would negatively impact water flows during peak recreational periods, typically during the warmer months and weekends.

As the regional plan is developed and specific projects are proposed, DCR's PRR would appreciate the opportunity to comment further.

Division of Natural Heritage

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, several natural heritage resources have been documented in the Hampton Roads Region (See Attached Table). DCR. supports the Hampton Roads

Regional Water Supply Plan and groundwater management planning.. However, for any future water supply expansion plans, DCR recommends review by this office to determine impacts to natural heritage resources and update resource information.

In addition, the following nine DCR Natural Area Preserves are located in the Hampton Roads Regional Water Supply area: the Northwest River Natural Area Preserve in the City of Chesapeake, North Landing River and False Cape Natural Area Preserves in the City of Virginia Beach, Antioch Pines and Blackwater Ecological Preserve Natural Area Preserves in Isle of Wight and Southampton Counties, South Quay Sandhills and Cypress Bridge Natural Area Preserves in Southampton County, Dendron Swamp Natural Area Preserve in Surry County and Grafton Ponds in York County.

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.

New and updated information is continually added to Biotics. Please contact DCR for an update on this natural heritage information if a significant amount of time passes 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 Gladys Cason (804-367-0909 or Gladys.Cason@dgif.virginia.gov). State listed animals have been documented within the Hampton Roads Regional Water Supply Plan area. In addition, the Nottoway River in Southampton County and Coppahaunk Swamp and Cypress Swamp in Surry County have been designated by the Virginia Department of Game and Inland Fisheries (VDGIF) as "Threatened and Endangered Species Waters". Due to the legal status of these resources, DCR recommends coordination with the U.S. Fish and Wildlife Service (USFWS) and VDGIF, Virginia's regulatory authority for the management and protection of these species to ensure compliance with the Virginia Endangered Species Act (VA ST §§ 29.1-563 – 570).

Division of Stormwater Management

Stormwater Management:
Projects involving land-disturbing activities equal to or greater than 10,000 square feet, or equal to or greater than 2,500 square feet in all areas subject to the Chesapeake Bay Preservation Act, must comply with the Virginia Erosion and Sediment Control Law and all applicable regulations adopted in accordance with that law. Projects involving land-disturbing activities equal to or greater than one acre, or equal to or greater than 2,500 square feet in all areas of the jurisdictions designated as subject to the Chesapeake Bay Preservation Area Designation and Management Regulations adopted pursuant to the Chesapeake Bay Preservation Act, must comply with the Virginia Stormwater Management Act and the Virginia Stormwater Management Program (VSMP) Permit Regulations adopted in accordance with the Act. If you have project specific questions please contact the Virginia Department of Conservation and Recreation Suffolk Regional Office:
http://www.dcr.virginia.gov/stormwater_management/index.shtml

The remaining DCR divisions have no comments regarding the scope of this project. Thank you for the opportunity to comment.

Cc: Kim Smith, USFWS
Ernie Aschenbach, VDGIF

COMMONWEALTH of VIRGINIA

Department of Historic Resources

Douglas W. Domenech
Secretary of Natural Resources

2801 Kensington Avenue, Richmond, Virginia 23221

Kathleen S. Kilpatrick
Director

Tel: (804) 367-2323
Fax: (804) 367-2391
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www.dhr.virginia.gov

May 13, 2013

Tammy Stephenson
Virginia Department of Environmental Quality
629 East Main Street
P.O. Box 1105
Richmond, VA 23218

RE: Hampton Roads Regional Water Supply Plan
DHR File No. 2013-3194
Received December 3, 2012

Dear Ms. Stephenson:

Thank you for requesting our comments on the referenced project. Our comments are provided as technical assistance to the Virginia Department of Environmental Quality (DEQ) in assessing the potential impacts of the Hampton Roads regional water supply plan on historic resources. Following a review of the water supply plan, we find that the document provides a thorough analysis of existing water systems as well as the future needs of the region based on forecasting population and economic growth. The various population and economic models utilized in the document seem to indicate that, on balance, the region maintain a sufficient water supply through 2040.

Because no specific infrastructure projects or improvements are mentioned in the document, it is difficult for DHR to comment at this time on potential impacts to historic properties. We would like to take this opportunity, however, to remind DEQ and the local governments that comprise the region that many water supply infrastructure projects require consultation with our office under Section 106 of the National Historic Preservation Act. Section 106 requires Federal agencies to consider the effects of their undertaking on historic resources that are either listed on or eligible for the National Register of Historic Places (NRHP). For water supply infrastructure projects, Section 106 is often triggered through the disbursement of a Federal grant or other funding or through the issuance of a permit, such as a Corps of Engineers permit for impacts to Waters of the United States.

As mentioned in the planning document, the municipalities that comprise the region includes numerous previously identified cultural resources within its boundaries. In addition to the resources already recorded, there are numerous additional historic buildings, structures, and archaeological sites that have yet to be identified simply because there are many portions of the region that have yet to be systematically surveyed. If compliance with Section 106 with any given project is required, it is extremely important to contact the applicable Federal agency and DHR as early as possible in the project planning and design process so that historic resources may be properly identified, evaluated, and if necessary, mitigated for adverse effects.

With respect to the projects themselves, there are a number of infrastructure improvements that have the potential to impact historic resources. These projects may include, but are not limited to:

- Municipal water and sewer installation and upgrades
- Relicensing for existing dam structures
- Agricultural irrigation projects
- Creation of new reservoirs or other water impoundment areas
- Raising or lowering of a floodpool within an existing reservoir or impoundment area
- Construction of a new or expansion of an existing water supply or sewage treatment plant
- Dam removal projects

While the responsibility of completing Section 106 coordination is the responsibility of the applicable Federal agency, state and local agencies and officials have the opportunity to be an active participant in the process and we encourage DEQ and local municipalities that comprise Hampton Roads to keep an open line of communication with DHR as future needs and projects arise.

Once again, we appreciate being given the opportunity to provide our comments on this document. If you have any questions concerning our comments, or if we may provide any further assistance, please do not hesitate to contact me at (804) 482-6452; brad.mcdonald@dhr.virginia.gov.

Sincerely,

Brad McDonald, Archaeologist
Office of Review and Compliance

Natural Heritage Resources in Hampton Roads Region- Jan 2013

CITY OF CHESAPEAKE

GROUP NAME	SCIENTIFIC NAME	COMMON NAME	LAST OBSERVED	GLOBAL RANK	FWS SPECIES OF CONCERN	STATE RANK	FEDERAL STATUS	STATE STATUS	SITE NAME
Vertebrate Animal	Bufo quercicus	Oak Toad	1965-07-18	G5		S2			
Vertebrate Animal	Ardea alba	Great Egret	1995-10-19	G5		S2S3B,S3N			TANGLEWOOD ROOKERY HABITAT ZONE
Nonvascular Plant	Sphagnum flavicomans	Peatmoss	1994-05-06	G4		SU			
Vertebrate Animal	Corynorhinus rafinesquii macrotis	Eastern Big-eared Bat	1993-06-18	G3G4TNR		S2		LE	
Vascular Plant	Trillium pusillum var. virginianum	Virginia Least Trillium	1999-04-08	G3T2	SOC	S2			GREEN SEA
Vascular Plant	Panicum hemitomon	Maidencane	1995-07-10	G5?		S2			NORTHWEST RIVER: HEADWATERS
Vertebrate Animal	Corynorhinus rafinesquii macrotis	Eastern Big-eared Bat	1993-06-18	G3G4TNR		S2		LE	NORTHWEST RIVER: HEADWATERS
Vertebrate Animal	Corynorhinus rafinesquii macrotis	Eastern Big-eared Bat	1993-06-18	G3G4TNR		S2		LE	GREEN SEA
Vascular Plant	Dichanthelium consanguineum	Blood Witchgrass	1995-06-08	G5		S1?			NORTHWEST RIVER: SOUTHWESTERN MARSHES
Vascular Plant	Pycnanthemum setosum	Awned Mountain-mint	1995-08-30	G4		S1			NORTHWEST RIVER: SOUTHWESTERN MARSHES
Vascular Plant	Trillium pusillum var. virginianum	Virginia Least Trillium	1998-04-13	G3T2	SOC	S2			SHILLELAGH ROAD FLATWOODS
Vascular Plant	Ilex coriacea	Bay-gall Holly	1998-04-13	G5		S2			SHILLELAGH ROAD FLATWOODS
Vascular Plant	Ludwigia ravenii	Raven's Seedbox	1939-08-20	G1G2	SOC	S1			
Vascular Plant	Solidago latissimifolia	Elliott Goldenrod	1984-10-15	G5		S2			
Vertebrate Animal	Sorex longirostris fisheri	Dismal Swamp Southeastern Shrew	1980-	G5T4		S2		LT	
Vascular Plant	Ilex coriacea	Bay-gall Holly	2005-02-03	G5		S2			IZAAK WALTON LEAGUE PRESERVE HABITAT ZONE
Vertebrate Animal	Crotalus horridus [Coastal Plain population]	Canebrake Rattlesnake	2010-11-10	G4		S1		LE	GREAT DISMAL SWAMP: NSGA NORTHWEST
Vascular Plant	Cuscuta indecora	Pretty Dodder	1984-08-20	G5		S2?			
Vertebrate Animal	Limnothlypis swainsonii	Swainson's Warbler	1996-spring-summer	G4		S2B			GREAT DISMAL SWAMP: NSGA NORTHWEST
Vascular Plant	Symphyotrichum elliottii	Elliott's Aster	1978-09-29	G4		S1			
Vascular Plant	Utricularia purpurea	Purple Bladderwort	1975-06-29	G5		S2			
Vascular Plant	Mitreola petiolata	Lax Hornpod	1949-08-23	G5		S1			
Vertebrate Animal	Myotis austroriparius	Southeastern Myotis	1996-07-08	G3G4		S2			GREAT DISMAL SWAMP
Invertebrate Animal	Enallagma pallidum	Pale Bluet	1996-06-18	G4		S1			GREAT DISMAL SWAMP
Vertebrate Animal	Crotalus horridus [Coastal Plain population]	Canebrake Rattlesnake	2009-08-16	G4		S1		LE	GREAT DISMAL SWAMP: NORTHWEST SECTION, GREAT DISMAL SWAMP
Vascular Plant	Panicum hemitomon	Maidencane	1995-08-08	G5?		S2			NORTHWEST RIVER: HEADWATERS
Vascular Plant	Xyris fimbriata	Fringed Yellow-eyed-grass	1995-08-04	G5		S1			GREAT DISMAL SWAMP
Vertebrate Animal	Myotis austroriparius	Southeastern Myotis	1996-06-19	G3G4		S2			GREAT DISMAL SWAMP
Vascular Plant	Panicum hemitomon	Maidencane	1995-10-08	G5?		S2			NORTHWEST RIVER: HEADWATERS
Vertebrate Animal	Sorex longirostris fisheri	Dismal Swamp Southeastern Shrew	1994-01-07	G5T4		S2		LT	GREAT DISMAL SWAMP
Vascular Plant	Tillandsia usneoides	Spanish Moss	1995-09-12	G5		S2			GREAT DISMAL SWAMP
Vascular Plant	Paspalum dissectum	Walter Paspalum	2008-09-18	G4?		S2			GREAT DISMAL SWAMP
Vascular Plant	Solidago latissimifolia	Elliott Goldenrod	1995-10-02	G5		S2			GREAT DISMAL SWAMP
Vascular Plant	Xyris fimbriata	Fringed Yellow-eyed-grass	1995-08-21	G5		S1			GREAT DISMAL SWAMP
Vascular Plant	Solidago latissimifolia	Elliott Goldenrod	1995-10-02	G5		S2			GREAT DISMAL SWAMP
Terrestrial Natural Community	Pinus serotina / Smilax laurifolia - Ilex glabra / Woodwardia virginica Woodland	Pond Pine Woodland / Pocosin	1995-09-13	G2?		S1			GREAT DISMAL SWAMP
Terrestrial Natural Community	Chamaecyparis thyoides / Lyonia lucida - Ilex coriacea / Osmunda cinnamomea Forest	Peatland Atlantic White-Cedar Forest	1995-08-15	G2		S1			GREAT DISMAL SWAMP
Vascular Plant	Clintes divaricata	Spreading Pogonia	2001-06-06	G4		S1			GREAT DISMAL SWAMP
Vascular Plant	Solidago latissimifolia	Elliott Goldenrod	2001-10-25	G5		S2			GREAT DISMAL SWAMP
Vascular Plant	Kalmia carolina	Carolina Sheep-laurel	1963-05-08	G4		S2			
Vascular Plant	Ilex coriacea	Bay-gall Holly	1995-10-18	G5		S2			GREAT DISMAL SWAMP
Vascular Plant	Trillium pusillum var. virginianum	Virginia Least Trillium	1926-04-	G3T2	SOC	S2			
Vascular Plant	Lachnanthes caroliana	Carolina Redroot	1941-09-06	G4		SH			
Vascular Plant	Ilex coriacea	Bay-gall Holly	1941-09-15	G5		S2			
Vascular Plant	Xyris fimbriata	Fringed Yellow-eyed-grass	1941-09	G5		S1			
Vascular Plant	Rhynchospora scirpoides	Long-beaked Baldrush	1974-09-14	G4		S1			
Invertebrate Animal	Enallagma pallidum	Pale Bluet	1938-05-26	G4		S1			
Vascular Plant	Sagittaria engelmanniana	Engelmann Arrowhead	1941-09-06	G5?		SH			
Nonvascular Plant	Sphagnum trinitense	Trinidad Peatmoss	1973-12-19	G4		S2S3			
Invertebrate Animal	Uthacodia sp. 1	A Noctuid Moth	2000-06-18	G1G3	SOC	S1S2			GREAT DISMAL SWAMP
Invertebrate Animal	Acrapex relicta	Cane Boring Moth	2000-06-18	G4		S2S3			GREAT DISMAL SWAMP
Vertebrate Animal	Crotalus horridus [Coastal Plain population]	Canebrake Rattlesnake	1995-06-27	G4		S1		LE	NORTHWEST RIVER: SOUTHWESTERN MARSHES, NORTHWEST RIVER: SMITH CREEK, NORTHWEST RIVER: NORTHWEST RIVER PARK
Terrestrial Natural Community	Taxodium distichum - Nyssa (biflora, aquatica) / Itea virginica / Saururus cernuus Forest	Bald Cypress - Mixed Tupelo Intermediate Swamp	1992-09-03	G3G4		S3S4			NORTH LANDING RIVER: GUM SWAMP
Invertebrate Animal	Euphyes dukesi	Dukes' Skipper	1992-09-13	G3		S2			NORTH LANDING RIVER: GUM SWAMP, NORTH LANDING RIVER: POCATY RIVER
Terrestrial Natural Community	Fagus grandifolia - Quercus (alba, nigra, michauxii) / Symplocos tinctoria - (Stewartia malacodendron) Forest	Southern Coastal Plain Mesic Mixed Hardwood Forest	1990-11-07	G3		S2S3			NORTHWEST RIVER: MIDDLE SECTION
Vascular Plant	Tillandsia usneoides	Spanish Moss	1995-10-16	G5		S2			
Invertebrate Animal	Euphyes dukesi	Dukes' Skipper	1987-08-21	G3		S2			NORTHWEST RIVER: NORTHWEST RIVER PARK
Vertebrate Animal	Crotalus horridus [Coastal Plain population]	Canebrake Rattlesnake	1988-07-19	G4		S1		LE	
Vascular Plant	Trillium pusillum var. virginianum	Virginia Least Trillium	1992-04-02	G3T2	SOC	S2			NORTH LANDING RIVER: GUM SWAMP
Vascular Plant	Pycnanthemum setosum	Awned Mountain-mint	1995-08-14	G4		S1			NORTHWEST RIVER: SMITH CREEK
Vertebrate Animal	Sorex longirostris fisheri	Dismal Swamp Southeastern Shrew	1993-	G5T4		S2		LT	NORTH LANDING RIVER: GUM SWAMP
Vertebrate Animal	Crotalus horridus [Coastal Plain population]	Canebrake Rattlesnake	1989-04	G4		S1		LE	
Vertebrate Animal	Crotalus horridus [Coastal Plain population]	Canebrake Rattlesnake	1995-10-21	G4		S1		LE	
Vascular Plant	Xyris laxifolia var. iridifolia	Irisleaf Yellow-eyed-grass	1993-10-20	G4G5T4T5		S1			NORTHWEST RIVER: SMITH CREEK
Terrestrial Natural Community	Pinus serotina / Smilax laurifolia - Ilex glabra / Woodwardia virginica Woodland	Pond Pine Woodland / Pocosin	1995-07-20	G2?		S1			NORTHWEST RIVER: MIDDLE SECTION
Terrestrial Natural Community	Eleocharis fallax - Sagittaria lancifolia ssp. media - Polygonum punctatum Tidal Herbaceous Vegetation	Wind-Tidal Oligohaline Marsh (Creeping Spikerush - Bull-Tongue Arrowhead Type)	1995-10-16	G1G2		S1			NORTHWEST RIVER: MIDDLE SECTION
Vascular Plant	Lobelia elongata	Elongated Lobelia	1995-10-17	G4G5		S1			NORTHWEST RIVER: INDIAN CREEK, NORTHWEST RIVER: SOUTHWESTERN MARSHES, NORTHWEST RIVER: SMITH CREEK
Vascular Plant	Eriocaulon decangulare	Ten-angle Pipewort	1995-10-16	G5		S2			NORTHWEST RIVER: INDIAN CREEK, NORTHWEST RIVER: SOUTHWESTERN MARSHES, NORTHWEST RIVER: SMITH CREEK
Vascular Plant	Utricularia purpurea	Purple Bladderwort	1991-06-05	G5		S2			NORTHWEST RIVER: SOUTHWESTERN MARSHES
Vascular Plant	Cladium jamaicense	Sawgrass	1995-10-17	G5T5		S2			NORTHWEST RIVER: SOUTHWESTERN MARSHES, NORTHWEST RIVER: SMITH CREEK

Terrestrial Natural Community	Eleocharis rostellata - (Eleocharis fallax) Tidal Herbaceous Vegetation	Wind-Tidal Oligohaline Marsh (Beaked Spikerush Type)	1995-10-17	G1G2		S1			NORTHWEST RIVER: INDIAN CREEK, NORTHWEST RIVER: SOUTHWESTERN MARSHES, NORTHWEST RIVER: SMITH CREEK		
Vascular Plant	Carex decomposita	Epiphytic Sedge	1995-10-16	G3G4		S2			NORTHWEST RIVER: MIDDLE SECTION, NORTHWEST RIVER: SOUTHWESTERN MARSHES, NORTHWEST RIVER: SMITH CREEK, NORTHWEST RIVER: NORTHWEST RIVER PARK		
Terrestrial Natural Community	Taxodium distichum / Zizania aquatica - Carex canescens ssp. disjuncta Tidal Woodland	Wind-Tidal Bald Cypress Woodland	1995-08-30	G1Q		SU			NORTHWEST RIVER: SOUTHWESTERN MARSHES		
Vascular Plant	Xyris laxifolia var. iridifolia	Irisleaf Yellow-eyed-grass	1995-08-30	G4G5T4T5		S1			NORTHWEST RIVER: SOUTHWESTERN MARSHES		
Vascular Plant	Coreopsis falcata	Pool Coreopsis	1995-06-07	G4G5		S1			NORTHWEST RIVER: SOUTHWESTERN MARSHES		
Vascular Plant	Xyris laxifolia var. iridifolia	Irisleaf Yellow-eyed-grass	1993-10-20	G4G5T4T5		S1			NORTHWEST RIVER: SOUTHWESTERN MARSHES		
Invertebrate Animal	Enallagma pallidum	Pale Bluet	1996-07-11	G4		S1			INDIAN CREEK - NORTHWEST RIVER SCU		
Invertebrate Animal	Calephelis virginiensis	Little Metalmark	1969-07-26	G4		S1					
Vascular Plant	Xyris laxifolia var. iridifolia	Irisleaf Yellow-eyed-grass	1982-07-28	G4G5T4T5		S1					
Invertebrate Animal	Euphyes dukesi	Dukes' Skipper	1995-06-07	G3		S2					
Vascular Plant	Stachys aspera	Rough Hedge-nettle	1995-08-30	G4?		S2			NORTHWEST RIVER: INDIAN CREEK, NORTHWEST RIVER: SOUTHWESTERN MARSHES, NORTHWEST RIVER: SMITH CREEK, NORTHWEST RIVER: NORTHWEST RIVER PARK		
Vascular Plant	Ludwigia alata	Winged Seedbox	1995-10-17	G3G5		S1			NORTHWEST RIVER: INDIAN CREEK, NORTHWEST RIVER: SOUTHWESTERN MARSHES, NORTHWEST RIVER: NORTHWEST RIVER PARK		
Vertebrate Animal	Sorex longirostris fisheri	Dismal Swamp Southeastern Shrew	1991-	G5T4		S2		LT	GREAT DISMAL SWAMP: SMITH RIDGE, GREAT DISMAL SWAMP, GREAT DISMAL SWAMP: NSGA NORTHWEST		
Vascular Plant	Erigeron vernus	White-top Fleabane	1942-06-30	G5		S2					
Vascular Plant	Solidago tortifolia	A Goldenrod	1893-09-06	G4G5		S1					
Vascular Plant	Ludwigia ravenii	Raven's Seedbox	1989-08-31	G1G2	SOC	S1					
Vascular Plant	Cuscuta indecora	Pretty Dodder	1984-08-20	G5		S2?					
Vertebrate Animal	Crotalus horridus [Coastal Plain population]	Canebrake Rattlesnake	2012-09-02	G4		S1		LE	NORTH LANDING RIVER: WEST NECK CREEK		
Vertebrate Animal	Crotalus horridus [Coastal Plain population]	Canebrake Rattlesnake	1993-08-14	G4		S1		LE			
Invertebrate Animal	Pseudopolydesmus paludicolus	A Millipede	1954-03-18	G2G4		S2?					
Vascular Plant	Tillandsia usneoides	Spanish Moss	1959-03-07	G5		S2					
Vascular Plant	Cladium jamaicense	Sawgrass	2007-08-27	G5T5		S2			NORTH LANDING RIVER: SOUTHERN MARSHES, NORTH LANDING RIVER: POCATY RIVER, NORTH LANDING RIVER: EASTERN MARSHES, NORTH LANDING RIVER: WEST NECK CREEK, NORTH LANDING RIVER: POCOSINS, PINEY GROVE CHURCH		
Vascular Plant	Lobelia elongata	Elongated Lobelia	1999-09-28	G4G5		S1			NORTH LANDING RIVER: SOUTHERN MARSHES, NORTH LANDING RIVER: POCATY RIVER, NORTH LANDING RIVER: EASTERN MARSHES, NORTH LANDING RIVER: WEST NECK CREEK, NORTH LANDING RIVER: POCOSINS, PINEY GROVE CHURCH		
Vascular Plant	Ludwigia alata	Winged Seedbox	1995-10-18	G3G5		S1			NORTH LANDING RIVER: SOUTHERN MARSHES, NORTH LANDING RIVER: POCATY RIVER, NORTH LANDING RIVER: EASTERN MARSHES, NORTH LANDING RIVER: WEST NECK CREEK, MORSE POINT, OAKUM CREEK, NORTH LANDING RIVER: POCOSINS, PINEY GROVE CHURCH		
Invertebrate Animal	Euphyes pilatka	Palatka Skipper	1971-06-11	G3G4		SH					
Vascular Plant	Ludwigia ravenii	Raven's Seedbox	ND	G1G2	SOC	S1					
Invertebrate Animal	Euphyes dukesi	Dukes' Skipper	1944-06-26	G3		S2					
Vascular Plant	Dichanthelium caerulescens	Blue Witch Grass	1941-	G2G3	SOC	S1					
Terrestrial Natural Community	Quercus (michauxii, pagoda, laurifolia) / Carpinus caroliniana / (Leucothoe axillaris) - Arundinaria gigantea ssp. tecta Forest	Non-Riverine Wet Hardwood Forest (Southern Coastal Plain Type)	2009-10-21	G2		S1			NORTH LANDING RIVER: GUM SWAMP		
Terrestrial Natural Community	Nyssa biflora - Taxodium distichum - Acer rubrum / (Persea palustris) / Clethra alnifolia / Woodwardia virginica Forest	Non-Riverine Swamp Forest (Tupelo - Bald Cypress Type)	1992-09-03	G2G3		S1S2			NORTH LANDING RIVER: GUM SWAMP		
Invertebrate Animal	Euphyes dukesi	Dukes' Skipper	1962-08-10	G3		S2					
Invertebrate Animal	Aphylla williamsoni	Two-striped Forceptail	2007-07-25	G5		S2			NORTHWEST RIVER: SOUTHWESTERN MARSHES, NORTHWEST RIVER: SMITH CREEK		
Vascular Plant	Kalmia carolina	Carolina Sheep-laurel	1974-07-07	G4		S2					
Terrestrial Natural Community	Quercus (michauxii, pagoda, laurifolia) / Carpinus caroliniana / (Leucothoe axillaris) - Arundinaria gigantea ssp. tecta Forest	Non-Riverine Wet Hardwood Forest (Southern Coastal Plain Type)	2010-05-11	G2		S1			NORTHWEST RIVER: NORTHWEST RIVER PARK		
Vertebrate Animal	Crotalus horridus [Coastal Plain population]	Canebrake Rattlesnake	2010-06-29	G4		S1		LE	FOREST MILLS ROAD HABITAT ZONE		
Terrestrial Natural Community	Quercus (michauxii, pagoda, laurifolia) / Carpinus caroliniana / (Leucothoe axillaris) - Arundinaria gigantea ssp. tecta Forest	Non-Riverine Wet Hardwood Forest (Southern Coastal Plain Type)	2010-06-30	G2		S1			GREEN SEA		
Terrestrial Natural Community	Fagus grandifolia - Quercus (alba, nigra, michauxii) / Symplocos tinctoria - (Stewartia malacodendron) Forest	Southern Coastal Plain Mesic Mixed Hardwood Forest	2010-05-11	G3		S2S3			NORTHWEST RIVER: INDIAN CREEK, NORTHWEST RIVER: NORTHWEST RIVER PARK		
Terrestrial Natural Community	Fagus grandifolia - Quercus (alba, nigra, michauxii) / Symplocos tinctoria - (Stewartia malacodendron) Forest	Southern Coastal Plain Mesic Mixed Hardwood Forest	2010-05-12	G3		S2S3					
Invertebrate Animal	Amblyscirtes alternata	Dusky Roadside Skipper	1982-04-20	G2G3	SOC	S1			NORTHWEST RIVER: SOUTHWESTERN MARSHES		

SITE NAME	B RANK	LEGAL STATUS
GREEN SEA	B2	SL
SHILLELAGH ROAD FLATWOODS	B4	NL
GREAT DISMAL SWAMP	B2	SL
TANGLEWOOD ROOKERY HABITAT ZONE	B5	NL
NORTH LANDING RIVER: GUM SWAMP	B2	NL
NORTH LANDING RIVER: WEST NECK CREEK	B4	SL
GREAT DISMAL SWAMP: SMITH RIDGE	B5	SL
NORTHWEST RIVER: INDIAN CREEK	B1	NL
NORTHWEST RIVER: HEADWATERS	B5	SL
NORTHWEST RIVER: NORTHWEST RIVER PARK	B2	SL
NORTHWEST RIVER: MIDDLE SECTION	B2	SL
NORTHWEST RIVER: SMITH CREEK	B1	SL
INDIAN CREEK - NORTHWEST RIVER SCU	B4	NL

NORTHWEST RIVER: SOUTHWESTERN MARSHES	B1	SL							
NORTH LANDING RIVER: EASTERN MARSHES	B3	NL							
NORTH LANDING RIVER: POCATY RIVER	B4	NL							
GREAT DISMAL SWAMP: NSGA NORTHWEST	B5	SL							
GREAT DISMAL SWAMP: NORTHWEST SECTION	B5	SL							
IZAAK WALTON LEAGUE PRESERVE HABITAT ZONE	B5	NL							
FOREST MILLS ROAD HABITAT ZONE	B5	SL							
NORTHWEST RIVER NAP									
CITY OF FRANKLIN									
GROUP NAME	SCIENTIFIC NAME	COMMON NAME	LAST OBSERVED	GLOBAL RANK	FWS SPECIES OF CONCERN	STATE RANK	FEDERAL STATUS	STATE STATUS	SITE NAME
Invertebrate Animal	Epitheca semiaquea	Mantled Baskettail	1977-05-20	G5		S1			
SITE NAME	B RANK	LEGAL STATUS							
BLACKWATER RIVER MAINSTEM	B4	NL							
ANTIOCH SWAMP SCU	B3	SL							
CITY OF HAMPTON									
GROUP NAME	SCIENTIFIC NAME	COMMON NAME	LAST OBSERVED	GLOBAL RANK	FWS SPECIES OF CONCERN	STATE RANK	FEDERAL STATUS	STATE STATUS	SITE NAME
Invertebrate Animal	Epitheca semiaquea	Mantled Baskettail	1977-05-20	G5		S1			
SITE NAME	B RANK	LEGAL STATUS							
BLACKWATER RIVER MAINSTEM	B4	NL							
ANTIOCH SWAMP SCU	B3	SL							
CITY OF NEWPORT NEWS									
GROUP NAME	SCIENTIFIC NAME	COMMON NAME	LAST OBSERVED	GLOBAL RANK	FWS SPECIES OF CONCERN	STATE RANK	FEDERAL STATUS	STATE STATUS	SITE NAME
Vertebrate Animal	Crotalus horridus (Coastal Plain population)	Canebrake Rattlesnake	2008-10-16	G4		S1		LE	AIRPORT-TABB
Vascular Plant	Carex lupuliformis	False Hop Sedge	1950	G4		S2			
Vascular Plant	Cuscuta coryli	Hazel Dodder	1973-08-09	G5?		S2?			
Vascular Plant	Cyperus dianchrus	Umbrella Flatsedge	1937-09-18	G5		S1			
Vertebrate Animal	Falco peregrinus	Peregrine Falcon	1998-	G4		S1B,S2N		LT	
Vascular Plant	Chelone cuthbertii	Cuthbert Turtlehead	1990-09-19	G3		S2			GRAFTON PONDS
Vertebrate Animal	Crotalus horridus (Coastal Plain population)	Canebrake Rattlesnake	1993-09-07	G4		S1		LE	
Vertebrate Animal	Falco peregrinus	Peregrine Falcon	1996	G4		S1B,S2N		LT	JAMES RIVER GHOST FLEET
Vertebrate Animal	Crotalus horridus (Coastal Plain population)	Canebrake Rattlesnake	2010-08-08	G4		S1		LE	
Vertebrate Animal	Acipenser oxyrinchus	Atlantic Sturgeon	2007-05	G3		S2	LE		
Vascular Plant	Ludwigia hirtella	Hairy Seedbox	1972-08-10	G5		S1			
Vascular Plant	Hypericum setosum	A St. John's-wort	2010-09-16	G4G5		S1S2			
Terrestrial Natural Community	Nyssa biflora - (Quercus lyrata) / Leucothoe racemosa / Carex joorii Forest	Coastal Plain Seasonal Pond (Swamp Tupelo - Overcup Oak Type)	2011-08-08	G1G2		S1S2			BEAVERDAM FLATWOODS
SITE NAME	B RANK	LEGAL STATUS							
HALSTEAD ROAD SINKHOLE PONDS	B2	NL							
JAMES RIVER GHOST FLEET	B5	SL							
GRAFTON PONDS	B2	SL							
AIRPORT-TABB	B5	SL							
SANDY BOTTOM	B2	NL							
BEAVERDAM FLATWOODS	B2	NL							
JAMES RIVER DESIGNATED SCENIC									
CITY OF NORFOLK									
GROUP NAME	SCIENTIFIC NAME	COMMON NAME	LAST OBSERVED	GLOBAL RANK	FWS SPECIES OF CONCERN	STATE RANK	FEDERAL STATUS	STATE STATUS	SITE NAME
Vertebrate Animal	Falco peregrinus	Peregrine Falcon	1994-	G4		S1B,S2N		LT	NORFOLK TRESTLE HABITAT ZONE
Vascular Plant	Cuscuta indecora	Pretty Dodder	1984-07-31	G5		S2?			
Vascular Plant	Solidago tortifolia	A Goldenrod	1968-09-21	G4G5		S1			
Vascular Plant	Iva imbricata	Sea-coast Marsh-elder	1898-07-20	G5?		S1S2			
Vascular Plant	Tillandsia usneoides	Spanish Moss	1969-05-22	G5		S2			
Vertebrate Animal	Nyctanassa violacea	Yellow-crowned Night-heron	1995-10-16	G5		S2S3B,S3N			EAST OCEAN VIEW HABITAT ZONE
Vertebrate Animal	Sternula antillarum	Least Tern	1989-07	G4		S2B			
Vertebrate Animal	Falco peregrinus	Peregrine Falcon	1998-	G4		S1B,S2N		LT	
Vascular Plant	Quercus hemisphaerica	Darlington's Oak	2003-07-08	G5		S1			
Vertebrate Animal	Acipenser oxyrinchus	Atlantic Sturgeon	2007-05	G3		S2	LE		
SITE NAME	B RANK	LEGAL STATUS							
EAST OCEAN VIEW HABITAT ZONE	B5	NL							
NORFOLK TRESTLE HABITAT ZONE	B5	SL							
CITY OF POQUOSON									
GROUP NAME	SCIENTIFIC NAME	COMMON NAME	LAST OBSERVED	GLOBAL RANK	FWS SPECIES OF CONCERN	STATE RANK	FEDERAL STATUS	STATE STATUS	SITE NAME
Vascular Plant	Cuscuta indecora	Pretty Dodder	1963-07-30	G5		S2?			
Vascular Plant	Tillandsia usneoides	Spanish Moss	1965-	G5		S2			
Vascular Plant	Cuscuta indecora	Pretty Dodder	1964-07-25	G5		S2?			
Vertebrate Animal	Circus cyaneus	Northern Harrier	1992-05	G5		S1S2B,S3N			BACK RIVER MARSHES
Vertebrate Animal	Cistothorus platensis	Sedge Wren	1992-05-20	G5		S1B,S1S2N			BACK RIVER MARSHES
SITE NAME	B RANK	LEGAL STATUS							
BACK RIVER MARSHES	B3	FL							
CITY OF PORTSMOUTH									
GROUP NAME	SCIENTIFIC NAME	COMMON NAME	LAST OBSERVED	GLOBAL RANK	FWS SPECIES OF CONCERN	STATE RANK	FEDERAL STATUS	STATE STATUS	SITE NAME
Vertebrate Animal	Ardea alba	Great Egret	1989-	G5		S2S3B,S3N			PINEHURST HABITAT ZONE
Vertebrate Animal	Himantopus mexicanus	Black-necked Stilt	2004	G5		S1B			CRANEY ISLAND
Vertebrate Animal	Charadrius melodus	Piping Plover	1997	G3		S2B,S1N	LT	LT	

Vertebrate Animal	Sternula antillarum	Least Tern	2012	G4		S2B			CRANEY ISLAND		
Vertebrate Animal	Falco peregrinus	Peregrine Falcon	1998-	G4		S1B,S2N		LT			
Vascular Plant	Mitreola petiolata	Lax Hornpod	1949-08-23	G5		S1					
Vertebrate Animal	Acipenser oxyrinchus	Atlantic Sturgeon	2007-05	G3		S2	LE				
Vertebrate Animal	Circus cyaneus	Northern Harrier	roughly 1996	G5		S1S2B,S3N			CRANEY ISLAND		
Vertebrate Animal	Charadrius wilsonia	Wilson's Plover	2010-07	G5		S1B		LE			
SITE NAME	B RANK	LEGAL STATUS									
PINEHURST HABITAT ZONE	B5	NL									
CRANEY ISLAND	B4	FL									
CITY OF SUFFOLK											
GROUP NAME	SCIENTIFIC NAME	COMMON NAME	LAST OBSERVED	GLOBAL RANK	FWS SPECIES OF CONCERN	STATE RANK	FEDERAL STATUS	STATE STATUS	SITE NAME		
Vascular Plant	Lilium catesbaei	Southern Red Lily	1997-09-04	G4		S1					
Vascular Plant	Scleria minor	Slender Nutrush	2006-07-06	G4		S2			MANNING POWERLINE		
Vascular Plant	Rhynchospora debilis	Savannah Beakrush	1967	G4?		S1					
Vascular Plant	Xyris platylepis	Tall Yellow-eyed-grass	1997-09-04	G5		S2					
Vertebrate Animal	Corynorhinus rafinesquii macrotis	Eastern Big-eared Bat	1993-07-09	G3G4TNR		S2		LE	MT. SINAI HOUSE HABITAT ZONE		
Vertebrate Animal	Bufo quercicus	Oak Toad	1986-06-30	G5		S2					
Vascular Plant	Asclepias rubra	Red Milkweed	2007-07-06	G4G5		S2			KILBY NORTHWEST POWERLINE		
Vascular Plant	Carex barrattii	Barratt's Sedge	1998-06-11	G4		S2			KILBY NORTHWEST POWERLINE		
Vascular Plant	Saccharum coarctatum	Bunched Plume Grass	1997-09-04	G5?		S1?			MOSS SWAMP POWERLINE NORTH HABITAT ZONE		
Vertebrate Animal	Corynorhinus rafinesquii macrotis	Eastern Big-eared Bat	1993-07-09	G3G4TNR		S2		LE	GREAT DISMAL SWAMP		
Vascular Plant	Scleria minor	Slender Nutrush	1998-06-11	G4		S2			SUFFOLK AIRPORT POWERLINE HABITAT ZONE		
Vascular Plant	Scleria minor	Slender Nutrush	2006-07-06	G4		S2			KILBY NORTHWEST POWERLINE		
Vascular Plant	Desmodium tenuifolium	Slim-leaf Tick-trefoil	1995-09-08	G4		S1			MANNING POWERLINE		
Vascular Plant	Carphephorus tomentosus	Wooly Chaffhead	1994-09-27	G4		S1					
Vascular Plant	Clethra divaricata	Spreading Pogonia	1998-06-11	G4		S1			KILBY NORTHWEST POWERLINE		
Vascular Plant	Ctenium aromaticum	Toothache Grass	1997-09-04	G5		S1			SUFFOLK AIRPORT POWERLINE HABITAT ZONE		
Vascular Plant	Calamovilfa brevipilis	Pine-barren Reed-grass	2006-07-06	G4		S1			KILBY NORTHWEST POWERLINE		
Vascular Plant	Scleria minor	Slender Nutrush	2006-07-05	G4		S2			SUFFOLK AIRPORT POWERLINE HABITAT ZONE		
Vertebrate Animal	Corynorhinus rafinesquii macrotis	Eastern Big-eared Bat	1993-07-09	G3G4TNR		S2		LE	ADAMS SWAMP HOUSE HABITAT ZONE		
Vascular Plant	Gentiana autumnalis	Pine-barren Gentian	1997-09-04	G3		S1			SUFFOLK AIRPORT POWERLINE HABITAT ZONE		
Vascular Plant	Desmodium tenuifolium	Slim-leaf Tick-trefoil	1998-06-11	G4		S1			SUFFOLK AIRPORT POWERLINE HABITAT ZONE		
Vertebrate Animal	Siren intermedia	Lesser Siren	1985-09-22	G5		S2S3					
Vascular Plant	Asclepias rubra	Red Milkweed	1998-06-11	G4G5		S2			SUFFOLK AIRPORT POWERLINE HABITAT ZONE		
Vascular Plant	Saccharum coarctatum	Bunched Plume Grass	1995-09-08	G5?		S1?			MANNING POWERLINE		
Vascular Plant	Desmodium tenuifolium	Slim-leaf Tick-trefoil	1998-06-11	G4		S1			SUFFOLK AIRPORT POWERLINE HABITAT ZONE		
Vascular Plant	Sarracenia flava	Yellow Pitcher-plant	1984	G5?		S1					
Vascular Plant	Solidago latissimifolia	Elliott Goldenrod	1997-09-04	G5		S2			SUFFOLK AIRPORT POWERLINE HABITAT ZONE		
Vascular Plant	Seymeria cassioides	Seymeria	2005-08-10	G5		S1S2			SOUTH QUAY		
Vascular Plant	Xyris platylepis	Tall Yellow-eyed-grass	2006-07-05	G5		S2			SUFFOLK AIRPORT POWERLINE HABITAT ZONE		
Vascular Plant	Xyris platylepis	Tall Yellow-eyed-grass	2006-07-06	G5		S2			KILBY NORTHWEST POWERLINE		
Invertebrate Animal	Caecidotea phreatica	Phreatic Isopod	1984-03-25	G2G3	SOC	S1S3					
Invertebrate Animal	Caecidotea phreatica	Phreatic Isopod	1983-03-27	G2G3	SOC	S1S3					
Vertebrate Animal	Corynorhinus rafinesquii macrotis	Eastern Big-eared Bat	1989-06-04	G3G4TNR		S2		LE	BALM OF GILEAD FLATWOODS		
Vascular Plant	Clethra divaricata	Spreading Pogonia	1991-08-13	G4		S1			BALM OF GILEAD FLATWOODS		
Vascular Plant	Rhexia petiolata	Ciliate Meadowbeauty	1991-08-13	G5?		S1			BALM OF GILEAD FLATWOODS		
Vascular Plant	Saccharum coarctatum	Bunched Plume Grass	2001-06-06	G5?		S1?			BALM OF GILEAD FLATWOODS		
Vascular Plant	Gentiana autumnalis	Pine-barren Gentian	1991-08-13	G3		S1			BALM OF GILEAD FLATWOODS		
Vascular Plant	Scleria minor	Slender Nutrush	2001-06-06	G4		S2			BALM OF GILEAD FLATWOODS		
Vascular Plant	Vaccinium crassifolium	Creeping Blueberry	1936-06-22	G4G5		S1					
Invertebrate Animal	Neonympha helicta	Helicta satyr	ND	G3G4		S2					
Nonvascular Plant	Sphagnum cyclophyllum	Circular-leaved Peatmoss	1948-05-28	G3		S1S2					
Vascular Plant	Ludwigia ravenii	Raven's Seedbox	1984	G1G2	SOC	S1					
Vascular Plant	Paspalum praecox	Early Paspalum	1946-09-12	G4		S1					
Vascular Plant	Scleria minor	Slender Nutrush	1946-06-08	G4		S2					
Vascular Plant	Aletris aurea	Golden Colicroot	1967-08-28	G5		S1					
Vascular Plant	Carphephorus tomentosus	Wooly Chaffhead	1946-09-08	G4		S1					
Vascular Plant	Pycnanthemum monotrichum	A Mountain-mint	1935-09-11	GHQ		SH					
Vascular Plant	Hypericum setosum	A St. John's-wort	1946-09-08	G4G5		S1S2					
Vascular Plant	Ctenium aromaticum	Toothache Grass	1946-09-08	G5		S1					
Vascular Plant	Ludwigia ravenii	Raven's Seedbox	ND	G1G2	SOC	S1					
Vascular Plant	Ludwigia virgata	Savanna Seedbox	1970-	G5		SH					
Vascular Plant	Carphephorus tomentosus	Wooly Chaffhead	1967-	G4		S1					
Vertebrate Animal	Picoides borealis	Red-cockaded Woodpecker	ND	G3		S1	LE	LE			
Nonvascular Plant	Sphagnum inundatum	Inundated Peatmoss	1951-05-05	G4		S1S2					
Vertebrate Animal	Fundulus lineolatus	Lined Topminnow	1986-03-26	G5		S2S3					
Vascular Plant	Prenanthes autumnalis	Slender Rattlesnake-root	1968-09-29	G4G5		S2					
Vascular Plant	Lachnocaulon anceps	Bog-buttons	1946-09-12	G5		S2					
Vascular Plant	Rhexia petiolata	Ciliate Meadowbeauty	1967-08-26	G5?		S1					
Vascular Plant	Rhexia petiolata	Ciliate Meadowbeauty	1941-09-11	G5?		S1					
Invertebrate Animal	Lampsilis radiata	Eastern Lampmussel	1991-07-25	G5		S2S3			SOMERTON CREEK SCU		
Vascular Plant	Pyxidanthera barbulata	Flowering Pixie-moss	1981-	G4		S1					
Terrestrial Natural Community	Nyssa biflora - Acer rubrum - Magnolia virginiana - Chamaecyparis thyoides / Lyonia lucida - Clethra alnifolia Forest	Non-Riverine Swamp Forest (Mixed Evergreen Type)	2011-07-15	G2G3		S1					
Vascular Plant	Cyperus plukenetii	A Galingale Sedge	2002-10-03	G5		S2			SOUTH QUAY		
Vascular Plant	Ludwigia pilosa	Hairy Seedbox	2002-08-16	G5		S1			SOUTH QUAY		
Vascular Plant	Platanthera blepharigottis	White-fringe Orchis	2011-07-15	G4G5		S1			SOUTH QUAY		
Vascular Plant	Pyxidanthera barbulata	Flowering Pixie-moss	2005-08-10	G4		S1			SOUTH QUAY		
Vascular Plant	Erigeron vernus	White-top Fleabane	1938-06-19	G5		S1			SOUTH QUAY		
Vascular Plant	Juncus abortivus	Pine-barren Rush	2002-10-08	G4G5		S2					
Vascular Plant	Paspalum distichum	Joint Paspalum	1963-06-22	G5		S1			SOUTH QUAY		
Vascular Plant	Zenobia pulverulenta	Dusty Zenobia	2006-03-23	G4?		S2					
Vascular Plant	Desmodium strictum	Pineland Tick-trefoil	1939-07-28	G4		S1			SOUTH QUAY		
Vascular Plant	Chelone cuthbertii	Cuthbert Turtlehead	1939-10-15	G3		S2					
Vascular Plant	Rhynchospora pallida	Pale Beakrush	1939-07-27	G3		S2					
Vascular Plant	Lilium catesbaei	Southern Red Lily	1939-10-15	G4		SH					
Vascular Plant	Scleria minor	Slender Nutrush	1939-07-27	G4		S1					
Vascular Plant	Stillingia sylvatica ssp. sylvatica	Queen's Delight	1967-07-21	G5T5		S2					
Vascular Plant	Rhynchospora scirpoides	Long-beaked Baldrush	1939-10-15	G4		S1					

Vascular Plant	Rhexia petiolata	Ciliate Meadowbeauty	2002-10-01	G5?		S1			SOUTH QUAY		
Vascular Plant	Carphephorus bellidifolius	Sandy-woods Chaffhead	2002-10-10	G4		S1			SOUTH QUAY		
Vascular Plant	Rhynchospora fascicularis	Fasciculate Beakrush	2002-10-08	G5		S2			SOUTH QUAY		
Terrestrial Natural Community	Pinus palustris - (Pinus serotina) / Quercus laevis / Gaylussacia frondosa - Kalmia angustifolia - Vaccinium tenellum Woodland	Longleaf Pine / Scrub Oak Sandhill Woodland	2002-10-17	G1		S1			SOUTH QUAY		
Vascular Plant	Ilex coriacea	Bay-gall Holly	2002-08-21	G5		S2			SOUTH QUAY		
Vascular Plant	Stipulicida setacea var. setacea	Pineland Scaly-pink	2005-08-10	G4G5T4T5		S1			SOUTH QUAY		
Vascular Plant	Xyris platylepis	Tall Yellow-eyed-grass	2005-08-10	G5		S2			SOUTH QUAY		
Vascular Plant	Eriocaulon parkeri	Parker's Pipewort	1939-09-22	G3		S2					
Vascular Plant	Cleistes divaricata	Spreading Pogonia	1939-07	G4		S1					
Vascular Plant	Crotalaria rotundifolia	Prostrate Rattle-box	1939-06-23	G5		SH					
Invertebrate Animal	Zanclognatha theralis	A Noctuid Moth	1985-06-25	G4		S1S3					
Vascular Plant	Sarracenia flava	Yellow Pitcher-plant	1966-04-14	G5?		S1					
Vascular Plant	Crotalaria rotundifolia	Prostrate Rattle-box	1967-06-16	G5		SH					
Vascular Plant	Zigadenus glaberrimus	Large-flowered Camass	1967-10-16	G5		S1					
Vascular Plant	Pinus palustris	Long-leaf Pine	2006-03-23	G5		S1			SOUTH QUAY		
Vascular Plant	Vaccinium crassifolium	Creeping Blueberry	2002-10-08	G4G5		S1			SOUTH QUAY		
Vascular Plant	Quercus incana	Blue Jack Oak	2002-10-10	G5		S2			SOUTH QUAY		
Terrestrial Natural Community	Pinus palustris - (Pinus serotina) / Quercus laevis / Gaylussacia frondosa - Kalmia angustifolia - Vaccinium tenellum Woodland	Longleaf Pine / Scrub Oak Sandhill Woodland	2002-08-22	G1		S1			SOUTH QUAY		
Vascular Plant	Kalmia angustifolia	Sheep-laurel	2006-03-23	G5		S2			SOUTH QUAY		
Vascular Plant	Ilex coriacea	Bay-gall Holly	1992-02-02	G5		S2			BALM OF GILEAD FLATWOODS		
Vascular Plant	Asclepias tuberosa ssp. rolfsii	sandhills butterfly-weed	2002-10-03	G5?TNR		S1			SOUTH QUAY		
Vascular Plant	Gentiana autumnalis	Pine-barren Gentian	1998-06-11	G3		S1			SUFFOLK AIRPORT POWERLINE HABITAT ZONE		
Vascular Plant	Ludwigia ravenii	Raven's Seedbox	1997-09-03	G1G2	SOC	S1			KILBY NORTHWEST POWERLINE		
Vascular Plant	Carphephorus tomentosus	Wooly Chaffhead	1938-10-15	G4		S1					
Vascular Plant	Gentiana autumnalis	Pine-barren Gentian	ND	G3		S1					
Vascular Plant	Ludwigia pilosa	Hairy Seedbox	1942-10	G5		S1					
Invertebrate Animal	Somatochlora filosa	Fine-lined Emerald	1934-09-14	G5		S2					
Vascular Plant	Hypericum setosum	A St. John's-wort	1936-10-19	G4G5		S1S2					
Vascular Plant	Carphephorus bellidifolius	Sandy-woods Chaffhead	1969-09-30	G4		S1					
Vertebrate Animal	Erimyzon sucetta	Lake Chubsucker	1967-07-26	G5		S2					
Invertebrate Animal	Neonympha helicta	Helicta satyr	1992-09-02	G3G4		S2			BALM OF GILEAD FLATWOODS		
Invertebrate Animal	Satyrium kingi	King's Hairstreak	1967-07-16	G3G4		S2					
Vascular Plant	Gentiana autumnalis	Pine-barren Gentian	1952-10-17	G3		S1					
Invertebrate Animal	Cicindela gratiosa	A Tiger Beetle	2009-06-24	G3G4		S1			SOUTH QUAY		
Invertebrate Animal	Cicindela abdominalis	Orange-bellied Tiger Beetle	2009-06-16	G3G4		S1			SOUTH QUAY		
Vascular Plant	Myrica cerifera var. pumila	Southern Bayberry	2002-10-10	G5TNR		S1			SOUTH QUAY		
Vascular Plant	Ilex coriacea	Bay-gall Holly	1961-05-09	G5		S2					
Vascular Plant	Calopogon pallidus	Pale Grass-pink	1940-06-09	G4G5		S1					
Vascular Plant	Trilantha racemosa	Coastal False-asphodel	1939-07-27	G5		S1					
Vascular Plant	Eupatorium glaucescens	Wedge-leaf Thoroughwort	1939-09-22	G5		SH					
Vascular Plant	Sphenopholis filiformis	Long-leaf Wedgescale	1940-05-10	G4?		SH					
Vascular Plant	Cirsium repandum	Coastal-plain Thistle	1938-06-19	G5		SH					
Nonvascular Plant	Sphagnum strictum	Straight Peatmoss	1951-05-04	G5		S2					
Nonvascular Plant	Sphagnum molle	Soft Peatmoss	1951-05-04	G4		S2					
Vascular Plant	Chrysopsis gossypina	Cottony Golden-aster	1967-09-25	G5		S1					
Vascular Plant	Calopogon pallidus	Pale Grass-pink	1963-06-22	G4G5		S1					
Vascular Plant	Carphephorus tomentosus	Wooly Chaffhead	1939-08-27	G4		S1					
Vascular Plant	Rhexia petiolata	Ciliate Meadowbeauty	1995-08-10	G5?		S1			ST. MARYS CHURCH POWERLINE		
Vascular Plant	Lilium catesbaei	Southern Red Lily	1995-08-10	G4		S1			ST. MARYS CHURCH POWERLINE		
Vascular Plant	Kalmia carolina	Carolina Sheep-laurel	2006-07-05	G4		S2			ST. MARYS CHURCH POWERLINE		
Vascular Plant	Rhynchospora debilis	Savannah Beakrush	2006-07-05	G4?		S1			LUMMIS FLATWOODS		
Vascular Plant	Sarracenia flava	Yellow Pitcher-plant	2006-07-05	G5?		S1			LUMMIS FLATWOODS		
Vascular Plant	Scleria minor	Slender Nutrush	2006-07-05	G4		S2			LUMMIS FLATWOODS		
Vascular Plant	Gentiana autumnalis	Pine-barren Gentian	1938-09-30	G3		S1			LUMMIS FLATWOODS		
Vascular Plant	Cleistes divaricata	Spreading Pogonia	2001-06-06	G4		S1			LUMMIS FLATWOODS		
Vertebrate Animal	Corynorhinus rafinesquii macrotis	Eastern Big-eared Bat	1993-06-11	G3G4TNR		S2		LE	PINEY GROVE SCHOOL HABITAT ZONE		
Vertebrate Animal	Corynorhinus rafinesquii macrotis	Eastern Big-eared Bat	1993-06-11	G3G4TNR		S2		LE	HOLY NECK HOUSE HABITAT ZONE		
Vertebrate Animal	Corynorhinus rafinesquii macrotis	Eastern Big-eared Bat	1993-06-11	G3G4TNR		S2		LE	JONES SWAMP HOUSE HABITAT ZONE		
Vascular Plant	Carphephorus tomentosus	Wooly Chaffhead	1995-08-10	G4		S1			ST. MARYS CHURCH POWERLINE		
Vascular Plant	Xyris caroliniana	Carolina Yellow-eyed-grass	2002-10-08	G4G5		S1			SOUTH QUAY		
Vascular Plant	Vaccinium crassifolium	Creeping Blueberry	1966-05-29	G4G5		S1					
Vascular Plant	Stipulicida setacea var. setacea	Pineland Scaly-pink	1981-	G4G5T4T5		S1					
Vascular Plant	Pinus palustris	Long-leaf Pine	1981-	G5		S1					
Vascular Plant	Seymeria cassioides	Seymeria	1967-08-28	G5		S1S2					
Vascular Plant	Carphephorus tomentosus	Wooly Chaffhead	1940-09-02	G4		S1					
Vascular Plant	Rhynchospora debilis	Savannah Beakrush	1967-08-28	G4?		S1					
Vascular Plant	Ludwigia ravenii	Raven's Seedbox	2004-08-17	G1G2	SOC	S1			LUMMIS FLATWOODS		
Vascular Plant	Xyris platylepis	Tall Yellow-eyed-grass	2004-08-17	G5		S2			LUMMIS FLATWOODS		
Vascular Plant	Rhexia petiolata	Ciliate Meadowbeauty	2004-08-17	G5?		S1			LUMMIS FLATWOODS		
Vascular Plant	Utricularia purpurea	Purple Bladderwort	1975-06-29	G5		S2					
Vertebrate Animal	Mitreola petiolata	Lax Hornpod	1949-08-23	G5		S1					
Invertebrate Animal	Corynorhinus rafinesquii macrotis	Eastern Big-eared Bat	1996-07-02	G3G4TNR		S2		LE	GREAT DISMAL SWAMP		
	Epitheca spinosa	Robust Baskettail	1978-04-17	G4		S2S3					
Vertebrate Animal	Crotalus horridus [Coastal Plain population]	Canebrake Rattlesnake	2009-08-16	G4		S1		LE	GREAT DISMAL SWAMP: NORTHWEST SECTION, GREAT DISMAL SWAMP		
Vascular Plant	Solidago latissimifolia	Elliott Goldenrod	1995-10-03	G5		S2			GREAT DISMAL SWAMP		
Vertebrate Animal	Sorex longirostris fisheri	Dismal Swamp Southeastern Shrew	1980-	G5T4		S2		LT			
Vascular Plant	Ludwigia pilosa	Hairy Seedbox	1995-10-02	G5		S1			GREAT DISMAL SWAMP		
Vertebrate Animal	Myotis austroriparius	Southeastern Myotis	1996-07-02	G3G4		S2			GREAT DISMAL SWAMP		
Vertebrate Animal	Sorex longirostris fisheri	Dismal Swamp Southeastern Shrew	1994-01-07	G5T4		S2		LT	GREAT DISMAL SWAMP		
Nonvascular Plant	Sphagnum torreyanum	Torrey's Peatmoss	1989-11-24	G3G4		S2			GREAT DISMAL SWAMP		
Vertebrate Animal	Corynorhinus rafinesquii macrotis	Eastern Big-eared Bat	1993-07-09	G3G4TNR		S2		LE	GREAT DISMAL SWAMP		
Vascular Plant	Ludwigia pilosa	Hairy Seedbox	1995-08-04	G5		S1			GREAT DISMAL SWAMP		
Vascular Plant	Xyris fimbriata	Fringed Yellow-eyed-grass	1995-08-21	G5		S1			GREAT DISMAL SWAMP		
Terrestrial Natural Community	Chamaecyparis thyoides / Lyonia lucida - Ilex coriacea / Osmunda cinnamomea Forest	Peatland Atlantic White-Cedar Forest	1995-08-15	G2		S1			GREAT DISMAL SWAMP		
Vertebrate Animal	Limnothlypis swainsonii	Swainson's Warbler	1996-05-09	G4		S2B					
Vascular Plant	Solidago latissimifolia	Elliott Goldenrod	1996-09-03	G5		S2			GREAT DISMAL SWAMP: NORTHWEST SECTION		
Vascular Plant	Ludwigia pilosa	Hairy Seedbox	1996-09-03	G5		S1			GREAT DISMAL SWAMP: NORTHWEST SECTION		

Vascular Plant	Ludwigia pilosa	Hairy Seedbox	2006-07-06	G5		S1			GREAT DISMAL SWAMP: NORTHWEST SECTION		
Vascular Plant	Ilex coriacea	Bay-gall Holly	1974-05-12	G5		S2					
Vascular Plant	Trillium pusillum var. virginianum	Virginia Least Trillium	2003-04-01	G3T2	SOC	S2			GREAT DISMAL SWAMP		
Vascular Plant	Ilex coriacea	Bay-gall Holly	1995-10-18	G5		S2			GREAT DISMAL SWAMP		
Vascular Plant	Ilex coriacea	Bay-gall Holly	1941-09-15	G5		S2					
Invertebrate Animal	Calephelis virginiensis	Little Metalmark	1937-10-02	G4		S1					
Vertebrate Animal	Sorex longirostris fisheri	Dismal Swamp Southeastern Shrew	1980-	G5T4		S2		LT			
Vertebrate Animal	Limnothlypis swainsonii	Swainson's Warbler	2010-05-13	G4		S2B			GREAT DISMAL SWAMP		
Invertebrate Animal	Prostoia hallasi	Swamp Forestfly	1983-04-17	G3		S1S3					
Invertebrate Animal	Somatochlora provocans	Treetop Emerald	1975-06-22	G4		S2					
Vascular Plant	Paspalum dissectum	Walter Paspalum	1939-10-12	G4?		S2					
Vascular Plant	Chelone obliqua	Red Turtlehead	1946-09-10	G4		S1					
Vascular Plant	Cabomba caroliniana	Carolina Fanwort	1942-06-	G3G5		S2					
Vascular Plant	Carphephorus bellidifolius	Sandy-woods Chaffhead	1958-10-04	G4		S1					
Invertebrate Animal	Euphyes dukesi	Dukes' Skipper	1939-pre	G3		S2					
Invertebrate Animal	Calephelis virginiensis	Little Metalmark	ND	G4		S1					
Terrestrial Natural Community	Fagus grandifolia - Quercus (alba, nigra, michauxii) / Symplocos tinctoria - (Stewartia malacodendron) Forest	Southern Coastal Plain Mesic Mixed Hardwood Forest	2009-10-20	G3		S2S3			GREAT DISMAL SWAMP		
Vascular Plant	Carex lupuliformis	False Hop Sedge	2002-10-01	G4		S2			GREAT DISMAL SWAMP		
Vascular Plant	Ophioglossum petiolatum	Longstem Adder's-tongue	2003-06-05	G5		S1			GREAT DISMAL SWAMP		
Vascular Plant	Desmodium tenuifolium	Slim-leaf Tick-trefoil	2001-06-06	G4		S1			SUFFOLK AIRPORT POWERLINE HABITAT ZONE		
Vascular Plant	Calamovilfa brevipilis	Pine-barren Reed-grass	1997-09-04	G4		S1			SUFFOLK AIRPORT POWERLINE HABITAT ZONE		
Invertebrate Animal	Neonympha helicta	Helicta satyr	1937-05-30	G3G4		S2					
Vascular Plant	Ludwigia ravenii	Raven's Seedbox	ND	G1G2	SOC	S1					
Nonvascular Plant	Sphagnum carolinianum	Carolina Peatmoss	1955-04-02	G3		S2					
Vertebrate Animal	Ambystoma mabeei	Mabee's Salamander	1981-04-12	G4		S1S2		LT			
Vascular Plant	Asclepias rubra	Red Milkweed	2006-07-05	G4G5		S2			SUFFOLK AIRPORT POWERLINE HABITAT ZONE		
Vascular Plant	Carphephorus tomentosus	Wooly Chaffhead	1937-09-17	G4		S1					
Vascular Plant	Xyris platylepis	Tall Yellow-eyed-grass	2005-08-16	G5		S2					
Vascular Plant	Cyperus plukenetii	A Galingale Sedge	2005-08-16	G5		S2					
Vascular Plant	Digitaria serotina	Dwarf Crabgrass	2005-08-09	G5?		S1			SOUTH QUAY		
Vascular Plant	Paspalum dissectum	Walter Paspalum	2005-08-09	G4?		S2					
Vascular Plant	Dichanthelium consanguineum	Blood Witchgrass	1966-05-28	G5		S1?					
Vascular Plant	Ulium pyrophilum	sandhills lily	2006-07-06	G2	SOC	S1			KILBY NORTHWEST POWERLINE		
Vascular Plant	Scleria minor	Slender Nutrush	2006-07-05	G4		S2			ST. MARYS CHURCH POWERLINE		
Vascular Plant	Zigadenus densus	Black Snakeroot	2006-07-05	G5		S1			ST. MARYS CHURCH POWERLINE		
Vascular Plant	Myrica cerifera var. pumila	Southern Bayberry	2006-03-23	G5TNR		S1			SOUTH QUAY		
Vascular Plant	Carphephorus bellidifolius	Sandy-woods Chaffhead	2007-12-19	G4		S1			SOUTH QUAY		
Vascular Plant	Paspalum dissectum	Walter Paspalum	1998-09-30	G4?		S2			GREAT DISMAL SWAMP: NORTHWEST SECTION		
Vertebrate Animal	Crotalus horridus (Coastal Plain population)	Canebrake Rattlesnake	2009-08-22	G4		S1		LE	GREAT DISMAL SWAMP: NORTHWEST SECTION		
Vascular Plant	Rhynchospora wrightiana	Wright's Beakrush	1981-10-21	G5		S1					
Vascular Plant	Ludwigia hirtella	Hairy Seedbox	1971-07-17	G5		S1					
Vascular Plant	Coreopsis linifolia	Texas Tickseed	1969-09-30	G4Q		S1					
Vascular Plant	Upocarpha maculata	A Upocarpha	1961-08-19	G5		S1					
Terrestrial Natural Community	Quercus (michauxii, pagoda, laurifolia) / Carpinus caroliniana / (Leucothoe axillaris) - Arundinaria gigantea ssp. tecta Forest	Non-Riverine Wet Hardwood Forest (Southern Coastal Plain Type)	2010-05-13	G2		S1			GREAT DISMAL SWAMP		
Terrestrial Natural Community	Quercus (michauxii, pagoda, laurifolia) / Carpinus caroliniana / (Leucothoe axillaris) - Arundinaria gigantea ssp. tecta Forest	Non-Riverine Wet Hardwood Forest (Southern Coastal Plain Type)	2010-05-13	G2		S1			GREAT DISMAL SWAMP		
Invertebrate Animal	Callophrys hesseli	Hessel's Hairstreak	2011-04-14	G3G4		S1			GREAT DISMAL SWAMP		
Vertebrate Animal	Dendroica virens waynei	Wayne's Black-throated Green Warbler	2001-04-30	G5TU		S1?			GREAT DISMAL SWAMP		
Terrestrial Natural Community	Fagus grandifolia - Quercus (alba, nigra, michauxii) / Symplocos tinctoria - (Stewartia malacodendron) Forest	Southern Coastal Plain Mesic Mixed Hardwood Forest	2010-05-13	G3		S2S3			GREAT DISMAL SWAMP		
Aquatic Natural Community	SC-Chowan First Order Stream	SC-Chowan First Order Stream	2011-01	G2G3		S2S3			JONES SWAMP TRIBUTARY SCU		
Aquatic Natural Community	SC-Chowan Second Order Stream	SC-Chowan Second Order Stream	2011-01	G2?		S2?			MILL SWAMP SCU		
Invertebrate Animal	Callophrys irus	Frosted Elfin	2011-04-26	G3		S2?			SOUTH QUAY		
Invertebrate Animal	Amblyscirtes alternata	Dusky Roadside Skipper	1982-04-20	G2G3	SOC	S1					
SITE NAME	B RANK	LEGAL STATUS									
ROUTE 618 PINE BARRENS	B2	NL									
KILBY NORTHWEST POWERLINE	B2	NL									
GREAT DISMAL SWAMP	B2	SL									
MANNING POWERLINE	B5	NL									
ST. MARYS CHURCH POWERLINE	B5	NL									
MT. SINAI HOUSE HABITAT ZONE	B5	SL									
HOLY NECK HOUSE HABITAT ZONE	B5	SL									
JONES SWAMP HOUSE HABITAT ZONE	B5	SL									
PINEY GROVE SCHOOL HABITAT ZONE	B5	SL									
ADAMS SWAMP HOUSE HABITAT ZONE	B5	SL									
SOMERTON CREEK SCU	B5	NL									
SUFFOLK AIRPORT POWERLINE HABITAT ZONE	B4	NL									
MOSS SWAMP POWERLINE NORTH HABITAT ZONE	B5	NL									
SOUTH QUAY	B2	NL									
LUMMIS FLATWOODS	B2	NL									
BALM OF GILEAD FLATWOODS	B4	SL									
GREAT DISMAL SWAMP: NORTHWEST SECTION	B5	SL									
JONES SWAMP TRIBUTARY SCU	B2	NL									
MILL SWAMP SCU	B2	NL									
CITY OF VIRGINIA BEACH											
GROUP NAME	SCIENTIFIC NAME	COMMON NAME	LAST OBSERVED	GLOBAL RANK	FWS SPECIES OF CONCERN	STATE RANK	FEDERAL STATUS	STATE STATUS	SITE NAME		
Vascular Plant	Upocarpha maculata	A Upocarpha	2008-08-12	G5		S1			CAMP PENDLETON - DAM NECK DUNE AND SWALE		
Vascular Plant	Tillandsia usneoides	Spanish Moss	1989-09-18	G5		S2			CHUB LAKE		
Vascular Plant	Quercus hemisphaerica	Darlington's Oak	1989-06-07	G5		S1			LITTLE CREEK DUNES		
Terrestrial Natural Community	Quercus virginiana - Quercus incana Woodland	Live Oak - Bluejack Oak Dune Woodland	1995-11-02	G1		S1			FORT STORY INTERIOR DUNES AND WETLANDS		
Vascular Plant	Quercus incana	Blue Jack Oak	1989-09-14	G5		S2			LITTLE CREEK DUNES		
Terrestrial Natural Community	Interdune Pond	Interdune Pond	2008-08-27	G2		S2			CAMP PENDLETON - DAM NECK DUNE AND SWALE		
Vascular Plant	Quercus incana	Blue Jack Oak	1989-09-19	G5		S2			CAMP PENDLETON - DAM NECK DUNE AND SWALE		

Vascular Plant	Eleocharis uniglumis	Salt-marsh Spikerush	2007-09-26	G4		S1			FALSE CAPE		
Nonvascular Plant	Sphagnum trinitense	Trinidad Peatmoss	1990-10-26	G4		S2S3			CAMP PENDLETON - DAM NECK DUNE AND SWALE		
Invertebrate Animal	Cicindela trifasciata	A Tiger Beetle	1991-07-03	G5		S1			FORT STORY WEST BEACH DUNES		
Invertebrate Animal	Melanaethus cavicollis	A Burrower Bug	1989-07-26	G4		S1S3			SEASHORE		
Vascular Plant	Symphyotrichum elliottii	Elliott's Aster	2008-09-16	G4		S1			FALSE CAPE		
Vascular Plant	Ludwigia repens	Creeping Seedbox	1989-08-30	G5		S1			CAMP PENDLETON - DAM NECK DUNE AND SWALE		
Vascular Plant	Paspalum distichum	Joint Paspalum	2007-09-25	G5		S2			BACK BAY, FALSE CAPE		
Vascular Plant	Phyla nodiflora	Common Frog-fruit	1990-10-17	G5		S1			FALSE CAPE		
Vascular Plant	Ludwigia brevipes	Long Beach Seedbox	2008-08-27	G2G3	SOC	S2			CAMP PENDLETON - DAM NECK DUNE AND SWALE		
Invertebrate Animal	Castianeira trilineata	A Two-clawed Hunting Spider	1989-07-05	G4?		S1S3			SEASHORE		
Invertebrate Animal	Drassyllus louisianus	A Graphosid Spider	1989-04-14	G4?		S1S3			SEASHORE		
Vertebrate Animal	Ardea alba	Great Egret	1995-10-19	G5		S2S3B,S3N			TANGLEWOOD ROOKERY HABITAT ZONE		
Vascular Plant	Tillandsia usneoides	Spanish Moss	1995-11-02	G5		S2			FORT STORY INTERIOR DUNES AND WETLANDS		
Invertebrate Animal	Pnirontis brimleyi	Brimley's Assassin Bug	1990-09-07	G2	SOC	S1S3			SEASHORE		
Invertebrate Animal	Cicindela trifasciata	A Tiger Beetle	1992-09-01	G5		S1			FALSE CAPE		
Invertebrate Animal	Satyrium kingi	King's Hairstreak	2006-06-20	G3G4		S2			SEASHORE		
Vascular Plant	Rhynchospora fascicularis	Fasciculate Beakrush	1990-10-26	G5		S2			CAMP PENDLETON - DAM NECK DUNE AND SWALE		
Vascular Plant	Rhynchospora scirpoides	Long-beaked Baldrush	2006-10-04	G4		S1			SEASHORE		
Vascular Plant	Eleocharis vivipara	Viviparous Spikerush	1995-11-02	G5		S1			FORT STORY EAST BEACH DUNES		
Invertebrate Animal	Somatochlora filosa	Fine-lined Emerald	1994-09-24	G5		S2			FORT STORY INTERIOR DUNES AND WETLANDS		
Invertebrate Animal	Ctenotrachelus shermani	Combneck Assassin Bug	1989-07-26	G3		S1S3			SEASHORE		
Vascular Plant	Ludwigia brevipes	Long Beach Seedbox	1988	G2G3	SOC	S2			SEASHORE		
Vascular Plant	Lipocarpha maculata	A Lipocarpha	1995-11-02	G5		S1			FORT STORY INTERIOR DUNES AND WETLANDS,		
Vascular Plant	Iva imbricata	Sea-coast Marsh-elder	2009-10-01	G5?		S1S2			FORT STORY WEST BEACH DUNES, SEASHORE		
Vascular Plant	Eleocharis vivipara	Viviparous Spikerush	1995-11-02	G5		S1			FORT STORY INTERIOR DUNES AND WETLANDS		
Invertebrate Animal	Cicindela trifasciata	A Tiger Beetle	2009-06-24	G5		S1			CAMP PENDLETON - DAM NECK DUNE AND SWALE		
Vascular Plant	Juncus elliottii	Bog Rush	2000-06-27	G4G5		S1S2			CAMP PENDLETON - DAM NECK DUNE AND SWALE		
Vertebrate Animal	Sternula antillarum	Least Tern	1990-06-27	G4		S2B					
Vertebrate Animal	Corynorhinus rafinesquii macrotis	Eastern Big-eared Bat	1995-07-17	G3G4TNR		S2		LE	FORT STORY INTERIOR DUNES AND WETLANDS		
Vascular Plant	Hydrocotyle bonariensis	Coastal-plain Penny-wort	2006-07-11	G5		S1?			SEASHORE		
Vascular Plant	Physalis walteri	Sticky Ground-cherry	2006-07-13	G4		S2			SEASHORE		
Invertebrate Animal	Ploiaria hirticornis	An Assassin Bug	1989-07-05	G3?		S1S3			SEASHORE		
Vascular Plant	Desmodium strictum	Pineland Tick-trefoil	1995-11-02	G4		S2			FORT STORY INTERIOR DUNES AND WETLANDS		
Invertebrate Animal	Ploiaria carolina	Carolina Thread-legged Bug	1989-07-05	G4?		S1S3			SEASHORE		
Invertebrate Animal	Bothynotus johnstoni	A Mirid Bug	1990-02-08	G3		S1S3			SEASHORE		
Vascular Plant	Rhynchospora fascicularis	Fasciculate Beakrush	2000-08-24	G5		S2			CAMP PENDLETON - DAM NECK DUNE AND SWALE		
Vascular Plant	Tillandsia usneoides	Spanish Moss	2007-06-14	G5		S2			FALSE CAPE		
Vascular Plant	Physalis walteri	Sticky Ground-cherry	2000-05-11	G4		S2			FORT STORY WEST BEACH DUNES		
Terrestrial Natural Community	Typha angustifolia - Hibiscus moscheutos Herbaceous Vegetation	Interdune Pond (Narrow-Leaved Cattail - Eastern Rose-Mallow Type)	2008-10-15	G3		SU			CAMP PENDLETON - DAM NECK DUNE AND SWALE		
Invertebrate Animal	Bartonopsis jefferai	A Funnel-web Spider	1989-11	G3		S1S3			SEASHORE		
Vertebrate Animal	Ophisaurus ventralis	Eastern Glass Lizard	2010-09-17	G5		S1		LT	BACK BAY, FALSE CAPE		
Invertebrate Animal	Pisaurina dubia	A Nursery-web Spider	1989-06-21	G4		S1S3			SEASHORE		
Vascular Plant	Ludwigia alata	Winged Seedbox	2008-09-17	G3G5		S1			FALSE CAPE		
Vascular Plant	Eleocharis vivipara	Viviparous Spikerush	1995-11-02	G5		S1			FORT STORY INTERIOR DUNES AND WETLANDS		
Vascular Plant	Erigeron vernus	White-top Fleabane	2006-08-16	G5		S2			BACK BAY		
Vascular Plant	Chamaesyce bombensis	Southern Beach Spurge	2007-08-30	G4G5		S2			FALSE CAPE		
Vascular Plant	Chrysopsis gossypina	Cottony Golden-aster	2007-08-29	G5		S1			FALSE CAPE		
Vascular Plant	Rhynchospora colorata	White-topped Sedge	2008-09-16	G5		S1			BACK BAY, FALSE CAPE		
Vascular Plant	Rhynchospora fascicularis	Fasciculate Beakrush	2008-09-17	G5		S2			BACK BAY, FALSE CAPE		
Vascular Plant	Physalis walteri	Sticky Ground-cherry	2008-09-29	G4		S2			FALSE CAPE		
Vascular Plant	Quercus hemisphaerica	Darlington's Oak	2007-06-14	G5		S1			FALSE CAPE		
Vascular Plant	Ulaeopsis carolinensis	Carolina Ulaeopsis	2000-09-27	G3G5		S1			BACK BAY, FALSE CAPE		
Vascular Plant	Lobelia elongata	Elongated Lobelia	2006-09-17	G4G5		S1			FALSE CAPE		
Vascular Plant	Juncus megacephalus	Big-head Rush	2007-09-27	G4G5		S2			BACK BAY, FALSE CAPE		
Vascular Plant	Ludwigia brevipes	Long Beach Seedbox	2007-09-27	G2G3	SOC	S2			BACK BAY, FALSE CAPE		
Vascular Plant	Erigeron vernus	White-top Fleabane	2007-08-29	G5		S2			BACK BAY, FALSE CAPE		
Vascular Plant	Hydrocotyle bonariensis	Coastal-plain Penny-wort	2007-09-27	G5		S1?			FALSE CAPE		
Vascular Plant	Iva imbricata	Sea-coast Marsh-elder	1990-08-14	G5?		S1S2			FALSE CAPE		
Vascular Plant	Juncus elliottii	Bog Rush	1990-08-15	G4G5		S1S2			FALSE CAPE		
Vascular Plant	Erigeron vernus	White-top Fleabane	1990-10-26	G5		S2			CAMP PENDLETON - DAM NECK DUNE AND SWALE		
Invertebrate Animal	Pycnoderiella virginiana	Seashore Mirid Bug	1989	GU		SU			SEASHORE		
Vascular Plant	Cladium jamaicense	Sawgrass	2000-	GSTS		S2			BACK BAY		
Vascular Plant	Lipocarpha maculata	A Lipocarpha	2000-09-27	G5		S1			BACK BAY		
Invertebrate Animal	Papaipema sp. 3	Southeastern Cane Borer Moth	2001-10-19	G4		S2S3			LONDON BRIDGE FOREST		
Vascular Plant	Ludwigia brevipes	Long Beach Seedbox	2001-10-03	G2G3	SOC	S2			VACAPES SANDPIT PONDS AND DUNES		
Vascular Plant	Eleocharis baldwinii	Baldwin Spikerush	2001-10-03	G4G5		S1			VACAPES SANDPIT PONDS AND DUNES		
Vascular Plant	Ludwigia brevipes	Long Beach Seedbox	2001-08-23	G2G3	SOC	S2			OCEANA PONDS AND FOREST		
Vascular Plant	Eleocharis vivipara	Viviparous Spikerush	2001-08-23	G5		S1			OCEANA PONDS AND FOREST		
Invertebrate Animal	Papaipema sp. 3	Southeastern Cane Borer Moth	2010-10-14	G4		S2S3			OCEANA PONDS AND FOREST		
Invertebrate Animal	Pseudaptinus lecontei	A Ground Beetle	1989-07-26	GNR		S1S3			SEASHORE		
Vascular Plant	Bartonia verna	White Screw Stem	2005-03-13	G5?		S1			FALSE CAPE		
Vascular Plant	Symphyotrichum elliottii	Elliott's Aster	1971-10-14	G4		S1					
Vascular Plant	Carex reniformis	Reniform Sedge	1971-06-25	G4?		SH					
Vascular Plant	Ulaeopsis carolinensis	Carolina Ulaeopsis	1971-06-25	G3G5		S1					
Vascular Plant	Ranunculus hederaceus	Long-stalked Crowfoot	1935-06-20	G5		SH					
Vascular Plant	Eleocharis radicans	Rooted Spikerush	1934-08-02	G5		SH					
Vascular Plant	Phyla nodiflora	Common Frog-fruit	1947-	G5		S1					
Vascular Plant	Rhynchospora fascicularis	Fasciculate Beakrush	2006-08-28	G5		S2			BACK BAY		
Vascular Plant	Juncus megacephalus	Big-head Rush	2006-08-16	G4G5		S2			BACK BAY		
Vascular Plant	Verbena scabra	Sandpaper Vervain	1947-	G5		S2					
Vascular Plant	Phyla nodiflora	Common Frog-fruit	2006-08-24	G5		S1			BACK BAY		
Vascular Plant	Ludwigia repens	Creeping Seedbox	1988-07-07	G5		S1					
Vascular Plant	Ludwigia brevipes	Long Beach Seedbox	1990-07-10	G2G3	SOC	S2					
Vascular Plant	Ulaeopsis carolinensis	Carolina Ulaeopsis	1988-07-07	G3G5		S1					
Vascular Plant	Tillandsia usneoides	Spanish Moss	1936-08-09	G5		S2					
Vascular Plant	Iva imbricata	Sea-coast Marsh-elder	1940-09-02	G5?		S1S2					
Vascular Plant	Erigeron vernus	White-top Fleabane	1979-08-26	G5		S2					
Vascular Plant	Xyris carolniana	Carolina Yellow-eyed-grass	1935-09-06	G4G5		S1					
Vascular Plant	Hypoxis sessilis	Glossy-seeded Star-grass	1934-08-04	G4		SH					
Terrestrial Natural Community	Interdune Pond	Interdune Pond	2007-09-18	G2		S2			SEASHORE		
Terrestrial Natural Community	Uniola paniculata - Ammophila breviligulata Herbaceous Vegetation	South Atlantic Mixed Dune Grassland	2009-10-01	G3		S2			FORT STORY WEST BEACH DUNES, SEASHORE		

Vascular Plant	Pinus palustris	Longleaf Pine	1969-05-03	G5		S1					
Vascular Plant	Ludwigia brevipes	Long Beach Seedbox	1946-09-13	G2G3	SOC	S2					
Vascular Plant	Honckenya peploides ssp. robusta	Sea-beach Sandwort	1898-10-05	G5T4		SH					
Vascular Plant	Arenaria lanuginosa ssp. lanuginosa	A Sandwort	1936-06-22	G5T5		SH					
Vascular Plant	Osmanthus americanus var. americanus	Wild Olive	1936-12-30	G5T5		S1					
Invertebrate Animal	Cicindela trifasciata	A Tiger Beetle	1972-09-10	G5		S1					
Vascular Plant	Osmanthus americanus var. americanus	Wild Olive	1936-03-29	G5T5		S1					
Vascular Plant	Eleocharis baldwinii	Baldwin Spikerush	1935-09-12	G4G5		S1					
Vascular Plant	Physalis walteri	Sticky Ground-cherry	1921-06-01	G4		S2					
Vascular Plant	Osmanthus americanus var. americanus	Wild Olive	2006-10-04	G5T5		S1				FORT STORY INTERIOR DUNES AND WETLANDS, SEASHORE	
Vascular Plant	Utricularia purpurea	Purple Bladderwort	2006-07-12	G5		S2				SEASHORE	
Vascular Plant	Quercus hemisphaerica	Darlington's Oak	2006-07-13	G5		S1				SEASHORE	
Vascular Plant	Stipulicida setacea var. setacea	Pineland Sealy-pink	1989-06-21	G4G5T4T5		S1				SEASHORE	
Vertebrate Animal	Deirochelys reticularia	Chicken Turtle	2012-06-30	G5		S1		LE		SEASHORE	
Vascular Plant	Desmodium strictum	Pineland Tick-trefoil	2006-10-05	G4		S2				SEASHORE, BAEA - SEASHORE	
Vascular Plant	Rhynchospora fascicularis	Fasciculate Beakrush	1934-07-29	G5		S2					
Vascular Plant	Tillandsia usneoides	Spanish Moss	2006-10-05	G5		S2				SEASHORE	
Vascular Plant	Quercus incana	Blue Jack Oak	2006-10-05	G5		S2				FORT STORY INTERIOR DUNES AND WETLANDS, SEASHORE	
Vascular Plant	Lipocarpha maculata	A Lipocarpha	1989-07-07	G5		S1				FALSE CAPE	
Vascular Plant	Iva imbricata	Sea-coast Marsh-elder	1995-08-09	G5?		S1S2				FORT STORY EAST BEACH DUNES	
Vascular Plant	Quercus incana	Blue Jack Oak	2006-02-08	G5		S2				FORT STORY INTERIOR DUNES AND WETLANDS, FORT STORY WEST BEACH DUNES, SEASHORE	
Terrestrial Natural Community	Quercus nigra - Pinus taeda - Carya pallida - (Fagus grandifolia) / Symplocos tinctoria / Gelsemium sempervirens Forest	Maritime Mixed Deciduous Forest	1995-11-02	G1		S1				FORT STORY INTERIOR DUNES AND WETLANDS	
Vascular Plant	Rhynchospora colorata	White-topped Sedge	2006-08-24	G5		S1				BACK BAY	
Terrestrial Natural Community	Quercus virginiana - (Myrica pensylvanica) Shrubland	Live Oak Dune Scrub	1995-08-09	G3		S1				FORT STORY EAST BEACH DUNES	
Nonvascular Plant	Sphagnum molle	Soft Peatmoss	1921-06-01	G4		S2					
Vascular Plant	Eleocharis baldwinii	Baldwin Spikerush	1919-08-30	G4G5		S1					
Vascular Plant	Spartina pectinata	Freshwater Cordgrass	1932-06-	G5		S2					
Vascular Plant	Wisteria frutescens	American Wisteria	ND	G5		S2					
Vascular Plant	Cirsium repandum	Coastal-plain Thistle	ND	G5		SH					
Vascular Plant	Chamaesyce bombensis	Southern Beach Spurge	1980s-MID	G4G5		S2					
Vascular Plant	Spiranthes eatonii	Eaton's Ladies'-tresses	1935-06-17	G2G4		SH					
Vascular Plant	Vaccinium macrocarpon	Large Cranberry	1988-07-07	G4		S2				BACK BAY	
Terrestrial Natural Community	Chamaecyparis thyoides / Lyonia lucida - Ilex coriacea / Osmunda cinnamomea Forest	Peatland Atlantic White-Cedar Forest	2007-06-28	G2		S1				NORTH LANDING RIVER: EASTERN MARSHES	
Terrestrial Natural Community	Taxodium distichum - Nyssa (biflora, aquatica) / Itea virginica / Saururus cernuus Forest	Bald Cypress - Mixed Tupelo Intermediate Swamp	1992-09-03	G3G4		S3S4				NORTH LANDING RIVER: GUM SWAMP	
Terrestrial Natural Community	Myrica cerifera - Rosa palustris / Osmunda regalis var. spectabilis - Thelypteris palustris var. pubescens Tidal Shrubland	Oligohaline Tidal Shrub Swamp	2007-06-28	G4		S3				NORTH LANDING RIVER: EASTERN MARSHES	
Vascular Plant	Ulaeopsis carolinensis	Carolina Ulaeopsis	1990-06-27	G3G5		S1				FALSE CAPE	
Terrestrial Natural Community	Tidal Bald Cypress Forest / Woodland	Tidal Bald Cypress Forest / Woodland	1990-07-17	G3		SNR					
Vascular Plant	Ulaeopsis carolinensis	Carolina Ulaeopsis	2000-09-20	G3G5		S1				BACK BAY	
Invertebrate Animal	Euphyes dukesi	Dukes' Skipper	1992-09-13	G3		S2				BACK BAY	
Vertebrate Animal	Sorex longirostris fisheri	Dismal Swamp Southeastern Shrew	1996-06-10	G5T4		S2		LT		NORTH LANDING RIVER: WEST NECK CREEK	
Vascular Plant	Rhynchospora fascicularis	Fasciculate Beakrush	1990-10-10	G5		S2				DAM NECK INTERDUNAL SWALE	
Vascular Plant	Paspalum distichum	Joint Paspalum	1989-07-06	G5		S2				NORTH LANDING RIVER: WEST NECK CREEK	
Invertebrate Animal	Ploiaria hirticornis	An Assassin Bug	1990-09-07	G3?		S1S3				DAM NECK MIDDLE BEACH DUNES	
Vascular Plant	Lobelia elongata	Elongated Lobelia	1991-09-12	G4G5		S1				BACK BAY	
Invertebrate Animal	Euphyes dukesi	Dukes' Skipper	1938-pre	G3		S2					
Vascular Plant	Carex decomposita	Epiphytic Sedge	1989-06-29	G3G4		S2				NORTH LANDING RIVER: WEST NECK CREEK	
Animal Assemblage	Colonial Wading Bird Colony		1994-	G5		S2				NORTH LANDING RIVER: GUM SWAMP	
Vascular Plant	Carex decomposita	Epiphytic Sedge	1993-07-30	G3G4		S2				NORTH LANDING RIVER: SOUTHERN MARSHES	
Vascular Plant	Tillandsia usneoides	Spanish Moss	1996-08-16	G5		S2				NORTH LANDING RIVER: SOUTHERN MARSHES	
Invertebrate Animal	Euphyes dukesi	Dukes' Skipper	1986-06-20	G3		S2					
Vascular Plant	Ulaeopsis carolinensis	Carolina Ulaeopsis	1992-07-30	G3G5		S1				NORTH LANDING RIVER: POCOSINS	
Vertebrate Animal	Ardea alba	Great Egret	1994-	G5		S2S3B,S3N				NORTH LANDING RIVER: GUM SWAMP	
Terrestrial Natural Community	Eleocharis fallax - Sagittaria lancifolia ssp. media - Polygonum punctatum Tidal Herbaceous Vegetation	Wind-Tidal Oligohaline Marsh (Creeping Spikerush - Bull-Tongue Arrowhead Type)	1992-06-26	G1G2		S1				SEDGE ISLAND	
Invertebrate Animal	Euphyes dukesi	Dukes' Skipper	1992-09-13	G3		S2				NORTH LANDING RIVER: WEST NECK CREEK	
Terrestrial Natural Community	Chamaecyparis thyoides / Lyonia lucida - Ilex coriacea / Osmunda cinnamomea Forest	Peatland Atlantic White-Cedar Forest	1988-07-14	G2		S1				NORTH LANDING RIVER: EASTERN MARSHES	
Vascular Plant	Ulaeopsis carolinensis	Carolina Ulaeopsis	1992-07-30	G3G5		S1				NORTH LANDING RIVER: EASTERN MARSHES	
Vertebrate Animal	Sorex longirostris fisheri	Dismal Swamp Southeastern Shrew	1993-	G5T4		S2		LT		NORTH LANDING RIVER: GUM SWAMP	
Vascular Plant	Iva imbricata	Sea-coast Marsh-elder	1997-09-07	G5?		S1S2				BACK BAY	
Vertebrate Animal	Rallus limicola	Virginia Rail	1996-07-17	G5		S2B,S3N				NORTH LANDING RIVER: SOUTHERN MARSHES	
Vascular Plant	Symphyotrichum elliottii	Elliott's Aster	1981-10-19	G4		S1					
Vascular Plant	Cleistes divaricata	Spreading Pogonia	1990-06-11	G4		S1				NORTH LANDING RIVER: POCOSINS	
Vascular Plant	Ophioglossum petiolatum	Longstem Adder's-tongue	1979-	G5		S1					
Vascular Plant	Ulaeopsis carolinensis	Carolina Ulaeopsis	2000-08-15	G3G5		S1				BACK BAY, CAMPBELL LANDING	
Terrestrial Natural Community	Schoenoplectus americanus - Spartina patens Tidal Herbaceous Vegetation	Tidal Oligohaline Marsh (Saltmeadow Cordgrass - Olney Three-Square Low Interior Marsh Type)	1992-06-26	G3		S3?				SEDGE ISLAND	
Terrestrial Natural Community	Eleocharis fallax - Sagittaria lancifolia ssp. media - Polygonum punctatum Tidal Herbaceous Vegetation	Wind-Tidal Oligohaline Marsh (Creeping Spikerush - Bull-Tongue Arrowhead Type)	1991-06-11	G1G2		S1				BLACK GUT	
Vertebrate Animal	Rallus elegans	King Rail	1992-06-18	G4		S2B,S3N				DAM NECK INTERDUNAL SWALE, BLACK GUT	
Vascular Plant	Ulaeopsis carolinensis	Carolina Ulaeopsis	1992-09-04	G3G5		S1				MORSE POINT	
Terrestrial Natural Community	Juncus roemerianus - Eleocharis fallax Tidal Herbaceous Vegetation	Wind-Tidal Oligohaline Marsh (Black Needlerush Type)	1991-09-12	G2G3		S2S3				BACK BAY	
Vascular Plant	Ludwigia alata	Winged Seedbox	2000-09-12	G3G5		S1				BACK BAY	
Terrestrial Natural Community	Juncus roemerianus - Eleocharis fallax Tidal Herbaceous Vegetation	Wind-Tidal Oligohaline Marsh (Black Needlerush Type)	1991-09-12	G2G3		S2S3				BACK BAY	
Vascular Plant	Kalmia carolina	Carolina Sheep-laurel	2007-06-28	G4		S2				NORTH LANDING RIVER: POCOSINS	
Vascular Plant	Ulaeopsis carolinensis	Carolina Ulaeopsis	1992-09-04	G3G5		S1				OAKUM CREEK	
Terrestrial Natural Community	Eleocharis rostellata - (Eleocharis fallax) Tidal Herbaceous Vegetation	Wind-Tidal Oligohaline Marsh (Beaked Spikerush Type)	1995-10-18	G1G2		S1				NORTH LANDING RIVER: SOUTHERN MARSHES	
Terrestrial Natural Community	Pinus serotina / Smilax laurifolia - Ilex glabra / Woodwardia virginica Woodland	Pond Pine Woodland / Pocosin	2007-06-28	G2?		S1				NORTH LANDING RIVER: POCOSINS	

Vascular Plant	Ulaeopsis carolinensis	Carolina Ulaeopsis	2000-08-16	G3G5		S1			BACK BAY		
Vascular Plant	Ulaeopsis carolinensis	Carolina Ulaeopsis	2000-09-20	G3G5		S1			BACK BAY		
Vascular Plant	Ludwigia alata	Winged Seedbox	2000-09-20	G3G5		S1			BACK BAY		
Invertebrate Animal	Somatochlora filosa	Fine-lined Emerald	2001-10-11	G5		S2			NORTH LANDING RIVER: EASTERN MARSHES		
Invertebrate Animal	Papaipema sp. 3	Southeastern Cane Borer Moth	2001-10-11	G4		S2S3			NORTH LANDING RIVER: EASTERN MARSHES		
Vascular Plant	Ludwigia brevipes	Long Beach Seedbox	2000-08-23	G2G3	SOC	S2			BLACK GUT		
Vascular Plant	Kalmia carolina	Carolina Sheep-laurel	1990-03-10	G4		S2			NORTH LANDING RIVER: POCOSINS		
Terrestrial Natural Community	Pinus serotina / Smilax laurifolia - Ilex glabra / Woodwardia virginica Woodland	Pond Pine Woodland / Pocosin	1995-08-02	G2?		S1			NORTH LANDING RIVER: POCOSINS		
Vascular Plant	Ludwigia brevipes	Long Beach Seedbox	1939-08-24	G2G3	SOC	S2					
Vascular Plant	Lobelia elongata	Elongated Lobelia	1977-	G4G5		S1					
Vascular Plant	Heliotropium curassavicum	Seaside Heliotrope	1939-08-24	G5		S1					
Vascular Plant	Heliotropium curassavicum	Seaside Heliotrope	1939-08-24	G5		S1					
Vascular Plant	Utricularia stifata	Fibrous Bladderwort	1965-09-13	G4G5		S1					
Vascular Plant	Rhynchospora debilis	Savannah Beakrush	1952-10-17	G4?		S1					
Vascular Plant	Hydrocotyle bonariensis	Coastal-plain Penny-wort	1986-05-09	G5		S1?					
Vascular Plant	Eleocharis vivipara	Viviparous Spikerush	1973-08-08	G5		S1					
Vascular Plant	Calopogon pallidus	Pale Grass-pink	1957-06-10	G4G5		S1					
Vascular Plant	Ludwigia alata	Winged Seedbox	1973-	G3G5		S1					
Vascular Plant	Erigeron vernus	White-top Fleabane	1971-06-22	G5		S2					
Vascular Plant	Juncus elliottii	Bog Rush	1947-	G4G5		S1S2					
Vascular Plant	Juncus megacephalus	Big-head Rush	1939-07-22	G4G5		S2					
Vascular Plant	Juncus elliottii	Bog Rush	1939-07-22	G4G5		S1S2					
Vascular Plant	Rhynchospora colorata	White-topped Sedge	1939-07-22	G5		S1					
Vascular Plant	Verbena scabra	Sandpaper Vervain	1939-07-22	G5		S2					
Vascular Plant	Ulaeopsis carolinensis	Carolina Ulaeopsis	1939-07-22	G3G5		S1					
Invertebrate Animal	Pseudopolydesmus paludicolus	A Millipede	1949-05-08	G2G4		S2?					
Invertebrate Animal	Calephelis virginiensis	Little Metalmark	1939-07-03	G4		S1					
Vascular Plant	Ludwigia brevipes	Long Beach Seedbox	1949-	G2G3	SOC	S2					
Invertebrate Animal	Euphyes dukesi	Dukes' Skipper	1995-06-07	G3		S2					
Vascular Plant	Tillandsia usneoides	Spanish Moss	1992-09-03	G5		S2					
Vascular Plant	Trillium pusillum var. virginianum	Virginia Least Trillium	1993-04-15	G3T2	SOC	S2			NORTH LANDING RIVER: GUM SWAMP		
Vascular Plant	Erigeron vernus	White-top Fleabane	1990-10-10	G5		S2			NORTH LANDING RIVER: WEST NECK CREEK		
Vertebrate Animal	Rallus elegans	King Rail	2003-05-28	G4		S2B,S3N			DAM NECK HELICOPTER PAD WETLANDS, DAM NECK INTERDUNAL SWALE		
Vertebrate Animal	Rallus elegans	King Rail	1991-09-12	G4		S2B,S3N			NORTH LANDING RIVER: SOUTHERN MARSHES		
Vertebrate Animal	Sorex longirostris fisheri	Dismal Swamp Southeastern Shrew	1998-09-30	G5T4		S2		LT	BACK BAY		
Vertebrate Animal	Crotalus horridus [Coastal Plain population]	Canebrake Rattlesnake	1988-08-15	G4		S1		LE	NORTH LANDING RIVER: POCOSINS		
Terrestrial Natural Community	Spartina cynosuroides - Schoenoplectus americanus - Polygonum hydropiperoides Tidal Herbaceous Vegetation	Wind-Tidal Oligohaline Marsh (Big Cordgrass Type)	2007-06-28	G2G3		S2			NORTH LANDING RIVER: SOUTHERN MARSHES, NORTH LANDING RIVER: POCOSINS, PINEY GROVE CHURCH		
Vertebrate Animal	Ophisaurus ventralis	Eastern Glass Lizard	1981-05-14	G5		S1		LT			
Vascular Plant	Vaccinium macrocarpon	Large Cranberry	1930-	G4		S2					
Vascular Plant	Paspalum distichum	Joint Paspalum	1935-09-09	G5		S2					
Vascular Plant	Cuscuta cephalanthi	Button-bush Dodder	1961-08-20	G5		S1?					
Vascular Plant	Cuscuta indecora	Pretty Dodder	1984-08-21	G5		S2?					
Vascular Plant	Juncus megacephalus	Big-head Rush	ND	G4G5		S2					
Vascular Plant	Ilex coriacea	Bay-gall Holly	1993-07-24	G5		S2					
Vertebrate Animal	Crotalus horridus [Coastal Plain population]	Canebrake Rattlesnake	2012-09-02	G4		S1		LE	NORTH LANDING RIVER: WEST NECK CREEK		
Vascular Plant	Cuscuta cephalanthi	Button-bush Dodder	1949-08-20	G5		S1?					
Vascular Plant	Cuscuta polygonorum	Smartweed Dodder	1949-08-20	G5		S2?					
Vertebrate Animal	Crotalus horridus [Coastal Plain population]	Canebrake Rattlesnake	1993-08-14	G4		S1		LE			
Invertebrate Animal	Pseudopolydesmus paludicolus	A Millipede	1954-03-18	G2G4		S2?					
Vascular Plant	Tillandsia usneoides	Spanish Moss	1959-03-07	G5		S2					
Vertebrate Animal	Crotalus horridus [Coastal Plain population]	Canebrake Rattlesnake	2005-05-23	G4		S1		LE			
Vascular Plant	Tillandsia usneoides	Spanish Moss	1935-09-08	G5		S2					
Vascular Plant	Cladium jamaicense	Sawgrass	2007-08-27	G5T5		S2			NORTH LANDING RIVER: SOUTHERN MARSHES, NORTH LANDING RIVER: POCATY RIVER, NORTH LANDING RIVER: EASTERN MARSHES, NORTH LANDING RIVER: WEST NECK CREEK, NORTH LANDING RIVER: POCOSINS, PINEY GROVE CHURCH		
Vascular Plant	Lobelia elongata	Elongated Lobelia	1999-09-28	G4G5		S1			NORTH LANDING RIVER: SOUTHERN MARSHES, NORTH LANDING RIVER: POCATY RIVER, NORTH LANDING RIVER: EASTERN MARSHES, NORTH LANDING RIVER: WEST NECK CREEK, NORTH LANDING RIVER: POCOSINS, PINEY GROVE CHURCH		
Vascular Plant	Ludwigia alata	Winged Seedbox	1995-10-18	G3G5		S1			NORTH LANDING RIVER: SOUTHERN MARSHES, NORTH LANDING RIVER: POCATY RIVER, NORTH LANDING RIVER: EASTERN MARSHES, NORTH LANDING RIVER: WEST NECK CREEK, MORSE POINT, OAKUM CREEK, NORTH LANDING RIVER: POCOSINS, PINEY GROVE CHURCH		
Invertebrate Animal	Euphyes pilatka	Palatka Skipper	1971-06-11	G3G4		SH					
Vertebrate Animal	Caretta caretta	Loggerhead (Sea Turtle)	2000-07-11	G3		S1B,S1N	LE	LT	DAM NECK MIDDLE BEACH DUNES, BACK BAY, DAM NECK INTERDUNAL SWALE, FALSE CAPE		
Terrestrial Natural Community	Juncus scirpoides - Eupatorium hyssopifolium - Euthamia caroliniana - Xyris jupical Herbaceous Vegetation	Interdune Swale (Mixed Rush Type)	2010-09-29	G2G3		S1?					
Terrestrial Natural Community	Quercus virginiana - (Myrica pensylvanica) Shrubland	Live Oak Dune Scrub	2010-09-29	G3		S1			FALSE CAPE		
Terrestrial Natural Community	Panicum virgatum - Schoenoplectus pungens Herbaceous Vegetation	Interdune Swale / Pond (Switchgrass Type)	2010-09-28	G2G4		S2?			BACK BAY, FALSE CAPE		
Terrestrial Natural Community	Acer rubrum - Nyssa (biflora, sylvatica) / Myrica cerifera / Leersia (oryzoides, virginica) Forest	Maritime Swamp Forest (Red Maple - Tupelo Type)	2008-10-01	G2		S2			FALSE CAPE		
Terrestrial Natural Community	Uniola paniculata - Ammophila breviligulata Herbaceous Vegetation	South Atlantic Mixed Dune Grassland	2010-09-29	G3		S2			FALSE CAPE		
Invertebrate Animal	Euphyes dukesi	Dukes' Skipper	1944-06-26	G3		S2			BACK BAY, FALSE CAPE		
Vascular Plant	Dichanthelium caerulescens	Blue Witch Grass	2006-08-17	G2G3	SOC	S1			BACK BAY		
Terrestrial Natural Community	Quercus (michauxii, pagoda, laurifolia) / Carpinus caroliniana / (Leucothoe axillaris) - Arundinaria gigantea ssp. tecta Forest	Non-Riverine Wet Hardwood Forest (Southern Coastal Plain Type)	2009-10-21	G2		S1			NORTH LANDING RIVER: GUM SWAMP		
Vertebrate Animal	Hyla gratiosa	Barking Treefrog	2006-06-20	G5		S1		LT	SEASHORE		

Terrestrial Natural Community	Quercus nigra - Pinus taeda - Carya pallida - (Fagus grandifolia) / Symplocos tinctoria / Gelsemium sempervirens Forest	Maritime Mixed Deciduous Forest	2007-09-20	G1		S1			FORT STORY INTERIOR DUNES AND WETLANDS, SEASHORE		
Terrestrial Natural Community	Quercus virginiana - Pinus taeda Forest	Maritime Live Oak Forest	2007-09-18	G2		S1			FORT STORY WEST BEACH DUNES, SEASHORE		
Terrestrial Natural Community	Quercus virginiana - Quercus incana Woodland	Live Oak - Bluejack Oak Dune Woodland	2009-10-01	G1		S1			FORT STORY WEST BEACH DUNES, SEASHORE		
Terrestrial Natural Community	Pinus taeda / Hudsonia tomentosa Woodland	Loblolly Pine / Beach Heather Dune Woodland	2007-09-19	G1G2		S1S2			SEASHORE		
Terrestrial Natural Community	Nyssa biflora - Taxodium distichum - Acer rubrum / (Persea palustris) / Clethra alnifolia / Woodwardia virginica Forest	Non-Riverine Swamp Forest (Tupelo - Bald Cypress Type)	2007-09-20	G2G3		S1S2			SEASHORE		
Terrestrial Natural Community	Taxodium distichum / Cephalanthus occidentalis / Boehmeria cylindrica - Ceratophyllum muricatum Forest	Maritime Swamp Forest (Bald Cypress Type)	2007-09-20	G1		S1			SEASHORE		
Vascular Plant	Verbena scabra	Sandpaper Vervain	2006-08-23	G5		S2			BACK BAY		
Vascular Plant	Paspalum distichum	Joint Paspalum	2006-08-24	G5		S2			BACK BAY		
Vascular Plant	Physalis walteri	Sticky Ground-cherry	2006-08-16	G4		S2			BACK BAY		
Vascular Plant	Scleria verticillata	Whorled Nutrush	2006-08-24	G5		S2			BACK BAY		
Vascular Plant	Calopogon tuberosus var. tuberosus	Tuberous Grass-pink	2006-08-16	G5T5		S2			BACK BAY		
Vascular Plant	Ludwigia alata	Winged Seedbox	2006-08-24	G3G5		S1			BACK BAY		
Vascular Plant	Sagittaria calycina var. spongiosa	An Arrowhead	2006-08-24	G5T4		S1			BACK BAY		
Vascular Plant	Verbena scabra	Sandpaper Vervain	2006-08-17	G5		S2			FALSE CAPE		
Vascular Plant	Phyla nodiflora	Common Frog-fruit	2006-08-17	G5		S1			FALSE CAPE		
Vascular Plant	Verbena scabra	Sandpaper Vervain	2007-08-29	G5		S2			FALSE CAPE		
Vascular Plant	Eupatorium anomalum	Anomalous eupatorium	2007-09-27	G2G3	SOC	S1			FALSE CAPE		
Vascular Plant	Verbena scabra	Sandpaper Vervain	2007-09-25	G5		S2			FALSE CAPE		
Vascular Plant	Paspalum dissectum	Walter Paspalum	2007-09-25	G4?		S2			FALSE CAPE		
Terrestrial Natural Community	Pinus taeda / Hudsonia tomentosa Woodland	Loblolly Pine / Beach Heather Dune Woodland	2010-09-29	G1G2		S1S2			FALSE CAPE		
Terrestrial Natural Community	Quercus virginiana - Pinus taeda Forest	Maritime Live Oak Forest	2010-09-29	G2		S1			BACK BAY, FALSE CAPE		
Invertebrate Animal	Euphyes dukesi	Dukes' Skipper	1995-08-05	G3		S2			BAYSIDE		
Invertebrate Animal	Calephelis virginiensis	Little Metalmark	1971-08-08	G4		S1					
Vascular Plant	Calopogon tuberosus var. tuberosus	Tuberous Grass-pink	1947-07-20	G5T5		S2					
Vascular Plant	Cyperus engelmannii	Engelmann's Umbrella-sedge	1984-10-11	G4Q		S1					
Vascular Plant	Cyperus plukenetii	A Galingale Sedge	1940-08-22	G5		S2					
Vascular Plant	Stachys aspera	Rough Hedge-nettle	1984-10-11	G4?		S2					
Vascular Plant	Rhynchospora macrostachya var. macrostachya	Tall Hornedrush	2006-10-15	G4T4Q		S2			CAMP PENDLETON - DAM NECK DUNE AND SWALE		
Invertebrate Animal	Papaipema sp. 3	Southeastern Cane Borer Moth	2010-10-06	G4		S2S3			NORTH LANDING RIVER: WEST NECK CREEK		
Vertebrate Animal	Rallus elegans	King Rail	2010-04-27 to 2010-06-2	G4		S2B,S3N			BACK BAY, FALSE CAPE		
Terrestrial Natural Community	Fagus grandifolia - Quercus (alba, nigra, michauxii) / Symplocos tinctoria - (Stewartia malacodendron) Forest	Southern Coastal Plain Mesic Mixed Hardwood Forest	2011-09-14	G3		S2S3			NORTH LANDING RIVER: WEST NECK CREEK		
SITE NAME	B RANK	LEGAL STATUS									
CAMP PENDLETON - DAM NECK DUNE AND SWALE	B3	NL									
OAKUM CREEK	B4	NL									
BLACK GUT	B2	NL									
MORSE POINT	B4	NL									
DAM NECK MIDDLE BEACH DUNES	B3	FL									
DAM NECK HELICOPTER PAD WETLANDS	B5	NL									
DAM NECK INTERDUNAL SWALE	B4	FL									
CHUB LAKE	B5	NL									
TANGLEWOOD ROOKERY HABITAT ZONE	B5	NL									
SEDGE ISLAND	B1	NL									
NORTH LANDING RIVER: GUM SWAMP	B2	NL									
NORTH LANDING RIVER: WEST NECK CREEK	B4	SL									
FORT STORY WEST BEACH DUNES	B2	NL									
FORT STORY INTERIOR DUNES AND WETLANDS	B1	SL									
FORT STORY EAST BEACH DUNES	B4	NL									
LITTLE CREEK DUNES	B5	NL									
PINEY GROVE CHURCH	B4	NL									
NORTHWEST RIVER: SMITH CREEK	B1	SL									
NORTH LANDING RIVER: SOUTHERN MARSHES	B2	NL									
LONDON BRIDGE FOREST	B5	NL									
VACAPES SANDPIT PONDS AND DUNES	B3	NL									
OCEANA PONDS AND FOREST	B2	NL									
FALSE CAPE	B1	FL									
CAMPBELL LANDING	B4	NL									
NORTH LANDING RIVER: EASTERN MARSHES	B3	NL									
NORTH LANDING RIVER: POCOSINS	B2	NL									
NORTH LANDING RIVER: POCATY RIVER	B4	NL									
SEASHORE	B1	SL									
BACK BAY	B2	FL									
BAYSIDE	B5	NL									
NORTH LANDING RIVER & FALSE CAPE NAP											
NORTH LANDING RIVER DESIGNATED SCENIC											
CITY OF WILLIAMSBURG											
GROUP NAME	SCIENTIFIC NAME	COMMON NAME	LAST OBSERVED	GLOBAL RANK	FWS SPECIES OF CONCERN	STATE RANK	FEDERAL STATUS	STATE STATUS	SITE NAME		
Vascular Plant	Utricularia olivacea	Minute Bladderwort	1968-08-20	G4		SH					
Vascular Plant	Carex decomposita	Epiphytic Sedge	ND	G3G4		S2					
Vascular Plant	Quercus prinoides	Dwarf Chinquapin Oak	1968-09-21	G5		S1					
Vascular Plant	Scutellaria incana	Hoary Skullcap	1989-07-25	G5		S2					
Vascular Plant	Isotria medeoloides	Small Whorled Pogonia	1990-05-02	G2		S2	LT	LE	COLLEGE WOODS NATURAL AREA		
Terrestrial Natural Community	Quercus muhlenbergii / Cercis canadensis / Dichanthelium boscii - Bromus pubescens - Erigeron pulchellus var. pulchellus - Aquilegia canadensis Forest	Coastal Plain Dry Calcareous Forest	2002-10-03	G1		S1			COLLEGE WOODS NATURAL AREA		

Terrestrial Natural Community	Fagus grandifolia - Quercus (alba, rubra) - Liriodendron tulipifera / (Ilex opaca var. opaca) / Polystichum acrostichoides Forest	Northern Coastal Plain / Piedmont Mesic Mixed Hardwood Forest	2002-10-03	G5		S5			COLLEGE WOODS NATURAL AREA		
Vascular Plant	Stewartia ovata	Mountain Camellia	1978-06-23	G4		S2					
Vascular Plant	Stewartia ovata	Mountain Camellia	1967-06-15	G4		S2					
Vascular Plant	Stewartia ovata	Mountain Camellia	1972-07-05	G4		S2					
Vascular Plant	Crotalaria purshii	Rattlebox	1968-07-17	G5		S2					
Vascular Plant	Desmodium cuspidatum var. cuspidatum	Toothed Tick-trefoil	1968-08-18	G5T5?		S2					
SITE NAME	B RANK	LEGAL STATUS									
COLLEGE WOODS NATURAL AREA	B2	FL									
GLOUCESTER COUNTY											
GROUP NAME	SCIENTIFIC NAME	COMMON NAME	LAST OBSERVED	GLOBAL RANK	FWS SPECIES OF CONCERN	STATE RANK	FEDERAL STATUS	STATE STATUS	SITE NAME	PRECISI	SITENAME
Vascular Plant	Trillium pusillum var. virginianum	Virginia Least Trillium	1984-03-29	G3T2	SOC	S2			H	M	
Vascular Plant	Sabatia campanulata	Slender Marsh Pink	1965-08-21	G5		S2			H	M	
Vascular Plant	Cardamine pratensis	Cuckooflower	1961-04-30	G5		S1			H	M	
Vascular Plant	Cuscuta cephalanthi	Button-bush Dodder	1970-08-28	G5		S1?			H	M	
Vertebrate Animal	Nyctanassa violacea	Yellow-crowned Night-heron	1976-05-19	G5		S2S3B,S3N			H	M	
Terrestrial Natural Community	Taxodium distichum - Nyssa (biflora, aquatica) / Itea virginica / Saururus cernuus Forest	Bald Cypress - Mixed Tupelo Intermediate Swamp	2011-06-20	G3G4		S3S4			A	S	DRAGON RUN
Vertebrate Animal	Falco peregrinus	Peregrine Falcon	1994-	G4		S1B,S2N		LT	D	S	COLEMAN BRIDGE HABITAT ZONE
Vertebrate Animal	Ambystoma mabeei	Mabee's Salamander	1989-03-22	G4		S1S2		LT	B	S	CHURCH HILL POND
Vertebrate Animal	Ambystoma mabeei	Mabee's Salamander	1997-02-21	G4		S1S2		LT	B	S	WHITE MARSH POND HABITAT ZONE
Terrestrial Natural Community	Zizania aquatica - Pontederia cordata - Peltandra virginica - Polygonum punctatum Tidal Herbaceous Vegetation	Tidal Freshwater Marsh (Wild Rice - Mixed Forbs Type)	2000-09-06	G4?		S4?			B	S	DRAGON RUN
Vascular Plant	Schoenoplectus fluviatilis	River Bulrush	1995-09-21	G5		S2			D	S	DRAGON RUN
Terrestrial Natural Community	Taxodium distichum - Nyssa biflora - Fraxinus profunda / Peltandra virginica - (Bignonia capreolata) Tidal Forest	Northern Coastal Plain Tidal Bald Cypress Woodland	2000-09-06	G3		S2			A	S	DRAGON RUN
Terrestrial Natural Community	Typha angustifolia - Hibiscus moscheutos Tidal Herbaceous Vegetation	Tidal Oligohaline Marsh (Narrow-Leaved Cattail - Eastern Rose-Mallow Type)	1999-09-30	G4G5		S3?			B	S	DRAGON RUN
Terrestrial Natural Community	Taxodium distichum - Nyssa biflora - Fraxinus profunda / Peltandra virginica - (Bignonia capreolata) Tidal Forest	Northern Coastal Plain Tidal Bald Cypress Woodland	2000-09-06	G3		S2			A	S	DRAGON RUN
Vascular Plant	Chelone obliqua	Red Turtlehead	1999-09-30	G4		S1			AB	S	DRAGON RUN
Vascular Plant	Eriocaulon parkeri	Parker's Pipewort	1986-	G3		S2			H	M	
Vascular Plant	Cardamine pratensis	Cuckooflower	1975-04-20	G5		S1			H	G	
Vascular Plant	Carex renniformis	Reniform Sedge	1964-06-17	G4?		SH			H	G	
Vascular Plant	Eleocharis tricostata	Three-angle Spikerush	1938-07-22	G4		S1			H	G	
Vascular Plant	Isotria medeoloides	Small Whorled Pogonia	1997-03-10	G2		S2	LT	LE	CD		ROBINS POND HEADWATERS
Terrestrial Natural Community	Fagus grandifolia - Acer barbatum - Quercus muhlenbergii / Sanguinaria canadensis Forest	Coastal Plain Calcareous Ravine Forest	2005-05-25	G2?		S2			B		BEAVERDAM CREEK SLOPES
Vertebrate Animal	Circus cyaneus	Northern Harrier	1992-05	G5		S1S2B,S3N			C		MARYUS - GUINEA MARSHES
Vertebrate Animal	Ambystoma mabeei	Mabee's Salamander	2001-04-23	G4		S1S2		LT	E		BEECH SWAMP UPLANDS HABITAT ZONE
Vertebrate Animal	Ambystoma mabeei	Mabee's Salamander	1999-04-27	G4		S1S2		LT	H		
Vertebrate Animal	Ammodramus caudacutus	Saltmarsh Sharp-tailed Sparrow	1992-05-11	G4		S2B,S3N			E		FOUR POINT MARSH
Vascular Plant	Chelone obliqua	Red Turtlehead	1993-10-10	G4		S1			E		BAEA - CARVERS CREEK HABITAT ZONE
Vascular Plant	Chelone obliqua	Red Turtlehead	1994-06-20	G4		S1			D		
Vascular Plant	Cuscuta indecora	Pretty Dodder	1997-09-02	G5		S2?			D		
Vascular Plant	Chelone obliqua	Red Turtlehead	1991-09-21	G4		S1			D		
Vertebrate Animal	Ambystoma mabeei	Mabee's Salamander	2010-02-20	G4		S1S2		LT	D		BENA WOODLANDS
Terrestrial Natural Community	Fagus grandifolia - Quercus (alba, velutina, montana) / Kalmia latifolia Forest	Northern Coastal Plain / Piedmont Oak - Beech / Heath Forest	2010-05-05	G4		S3			B		ROSEWELL
Terrestrial Natural Community	Acer rubrum - Fraxinus pennsylvanica / Packera aurea - Carex bromoides - Pilea fontana - Bidens laevis Forest	Coastal Plain Calcareous Seepage Swamp	2010-04-29	G2		S2			B		FERRY CREEK RAVINE
Vascular Plant	Cardamine pratensis	Cuckooflower	2010-04-29	G5		S1			B		FERRY CREEK RAVINE
Terrestrial Natural Community	Fagus grandifolia - Quercus (alba, rubra) - Liriodendron tulipifera / (Ilex opaca var. opaca) / Polystichum acrostichoides Forest	Northern Coastal Plain / Piedmont Mesic Mixed Hardwood Forest	2010-05-05	G5		S5			C		ROSEWELL
Terrestrial Natural Community	Acer rubrum - Fraxinus pennsylvanica / Packera aurea - Carex bromoides - Pilea fontana - Bidens laevis Forest	Coastal Plain Calcareous Seepage Swamp	2010-05-05	G2		S2			B		ROSEWELL
Aquatic Natural Community	NC-Great Wicomico-Piankatank Second Order Stream	NC-Great Wicomico-Piankatank Second Order Stream	2011-01	G3		S3			C		CARVERS CREEK AT RT 198 SCU
Aquatic Natural Community	NC-Great Wicomico-Piankatank Fourth Order Stream	NC-Great Wicomico-Piankatank Fourth Order Stream	2011-01	G1G2		S1S2			AB		DRAGON RUN SCU
Aquatic Natural Community	NC-Great Wicomico-Piankatank First Order Stream	NC-Great Wicomico-Piankatank First Order Stream	2011-01	G3		S3			C		FERRY CREEK UPSTREAM RT. 198 SCU
SITE NAME	B RANK	LEGAL STATUS									
WHITE MARSH POND HABITAT ZONE	B5	SL									
CHURCH HILL POND	B4	SL									
COLEMAN BRIDGE HABITAT ZONE	B5	SL									
ROSEWELL	B2	NL									
DRAGON RUN	B2	NL									
ROBINS POND HEADWATERS	B3	FL									
BEAVERDAM CREEK SLOPES	B2	NL									
MARYUS - GUINEA MARSHES	B5	NL									
BEECH SWAMP UPLANDS HABITAT ZONE	B5	SL									
FOUR POINT MARSH	B5	NL									
BENA WOODLANDS	B5	SL									
FERRY CREEK RAVINE	B2	NL									
DRAGON RUN SCU	B2	NL									
CARVERS CREEK AT RT 198 SCU	B4	NL									
FERRY CREEK UPSTREAM RT. 198 SCU	B4	NL									
ISLE OF WIGHT COUNTY											
GROUP NAME	SCIENTIFIC NAME	COMMON NAME	LAST OBSERVED	GLOBAL RANK	FWS SPECIES OF CONCERN	STATE RANK	FEDERAL STATUS	STATE STATUS	SITE NAME		

Vascular Plant	Tillandsia usneoides	Spanish Moss	1940-06-	G5		S2					
Vascular Plant	Carex decomposita	Epiphytic Sedge	1940-08-30	G3G4		S2					
Vertebrate Animal	Falco peregrinus	Peregrine Falcon	1998-	G4		S1B,S2N		LT			
Terrestrial Natural Community	Coastal Plain Depression Wetland	Coastal Plain Depression Wetland	1988-10-30	G2		SHR					
Vascular Plant	Ludwigia brevipes	Long Beach Seedbox	1990-07-31	G2G3	SOC	S2			CAT PONDS		
Vascular Plant	Eleocharis tricostata	Three-angle Spikerush	1990-07-31	G4		S1			MUDDY CROSS PONDS		
Vertebrate Animal	Ambystoma tigrinum	Tiger Salamander	1997-02-28	G5		S1		LE	CAT PONDS		
Terrestrial Natural Community	Taxodium distichum / Cephalanthus occidentalis / Juncus repens Woodland	Bald Cypress Seasonal Pond / Lake Shore	1990-07-31	G1?		S1			MUDDY CROSS PONDS		
Vertebrate Animal	Deirochelys reticularia	Chicken Turtle	2012-05-20	G5		S1		LE	CAT PONDS		
Invertebrate Animal	Epitheca semiaquea	Mantled Baskettail	1977-05-20	G5		S1					
Invertebrate Animal	Somatochlora filosa	Fine-lined Emerald	1995-09-13	G5		S2			ANTIOCH SWAMP SCU, BLACKWATER RIVER MAINSTEM		
Vertebrate Animal	Corynorhinus rafinesquii macrotis	Eastern Big-eared Bat	1997-08-07	G3G4TNR		S2		LE	HICKANECK SWAMP, ROUTE 616 BEND		
Nonvascular Plant	Sphagnum macrophyllum var. macrophyllum	Large-leaf Peatmoss	1989-08-25	G3G5T3?		S2			CAT PONDS		
Vertebrate Animal	Ambystoma mabeei	Mabee's Salamander	1996-02-04	G4		S1S2		LT	CAT PONDS		
Vascular Plant	Eleocharis tricostata	Three-angle Spikerush	1990-07-31	G4		S1			CAT PONDS		
Vertebrate Animal	Falco peregrinus	Peregrine Falcon	1996	G4		S1B,S2N		LT	JAMES RIVER GHOST FLEET		
Vascular Plant	Desmodium strictum	Pineland Tick-trefoil	1991-07-29	G4		S2					
Invertebrate Animal	Caecidotea phreatica	Phreatic Isopod	1983-04-24	G2G3	SOC	S1S3					
Vascular Plant	Oldenlandia boscii	Bosc's Bluet	1995-09-14	G5		S1			ANTIOCH SWAMP SCU		
Vascular Plant	Quercus incana	Blue Jack Oak	1991-08-02	G5		S2			ZUNI PINE BARRENS		
Vascular Plant	Micranthemum umbrosum	Shade Mudflower	1998-08-09	G5		S1			DEVILS MILLPOND		
Vascular Plant	Rhynchospora fascicularis	Fasciculate Beakrush	1992-09-01	G5		S2					
Vascular Plant	Trillium pusillum var. virginianum	Virginia Least Trillium	2006-03-31	G3T2	SOC	S2			ZUNI PINE BARRENS		
Vascular Plant	Calycanthus floridus var. floridus	Sweet-shrub	2006-06-28	G5T4		S2?			ZUNI PINE BARRENS		
Vascular Plant	Mitreola petiolata	Lax Hornpod	2005-08-31	G5		S1			ANTIOCH SWAMP SCU		
Vascular Plant	Hemicarpha micrantha	Dwarf Bulrush	2001-10-09	G5		S1			ANTIOCH SWAMP SCU		
Vascular Plant	Micranthemum umbrosum	Shade Mudflower	2001-10-16	G5		S1			BLACKWATER RIVER MAINSTEM, ZUNI PINE BARRENS		
Invertebrate Animal	Neonympha helicta	Helicta satyr	ND	G3G4		S2					
Nonvascular Plant	Sphagnum cyclophyllum	Circular-leaved Peatmoss	1948-05-28	G3		S1S2					
Invertebrate Animal	Epitheca spinosa	Robust Baskettail	1989-04-12	G4		S2S3					
Vascular Plant	Chamaesyce bombensis	Southern Beach Spurge	1985-05-14	G4G5		S2					
Invertebrate Animal	Cicindela abdominalis	Orange-bellied Tiger Beetle	1936-08-20	G3G4		S1					
Nonvascular Plant	Sphagnum torreyanum	Torrey's Peatmoss	1986-10-29	G3G4		S2					
Nonvascular Plant	Sphagnum molle	Soft Peatmoss	1989-05-02	G4		S2					
Vascular Plant	Zornia bracteata	Viperina	1936-08-22	G5?		S1					
Vascular Plant	Crotalaria rotundifolia	Prostrate Rattle-box	1936-07-28	G5		SH					
Vertebrate Animal	Erimyzon sucetta	Lake Chubsucker	1975-06-07	G5		S2					
Vascular Plant	Saccharum coarctatum	Bunched Plume Grass	1962-10-30	G5?		S1?					
Vascular Plant	Ulmea aestivalis	Pondspice	2002-10-16	G3		S1			FOURSQUARE PONDS		
Terrestrial Natural Community	Nyssa biflora - (Quercus lyrata) / Leucothoe racemosa / Carex joorii Forest	Coastal Plain Seasonal Pond (Swamp Tupelo - Overcup Oak Type)	2002-10-16	G1G2		S1S2			FOURSQUARE PONDS		
Vascular Plant	Rhynchospora fascicularis	Fasciculate Beakrush	2002-07-03	G5		S2			ROUTE 618 PINE BARRENS		
Vascular Plant	Desmodium strictum	Pineland Tick-trefoil	2002-08-21	G4		S2			ROUTE 618 PINE BARRENS		
Vascular Plant	Eleocharis melanocarpa	Black-fruited Spikerush	2006-07-06	G4		S2			CAT PONDS		
Vertebrate Animal	Siren intermedia	Lesser Siren	1989-03-26	G5		S2S3			CAT PONDS		
Vascular Plant	Utricularia purpurea	Purple Bladderwort	1990-07-31	G5		S2			CAT PONDS		
Vascular Plant	Kalmia angustifolia	Sheep-laurel	2002-08-21	G5		S2			ROUTE 618 PINE BARRENS		
Vascular Plant	Pinus palustris	Long-leaf Pine	2002-08-21	G5		S1			ROUTE 618 PINE BARRENS		
Terrestrial Natural Community	Nyssa biflora - (Quercus lyrata) / Leucothoe racemosa / Carex joorii Forest	Coastal Plain Seasonal Pond (Swamp Tupelo - Overcup Oak Type)	1989-08-25	G1G2		S1S2			CAT PONDS		
Vascular Plant	Myrica cerifera var. pumila	Southern Bayberry	2002-08-21	G5TNR		S1			ROUTE 618 PINE BARRENS		
Vascular Plant	Carphephorus bellidifolius	Sandy-woods Chaffhead	1995-08-25	G4		S1			ROUTE 618 PINE BARRENS		
Terrestrial Natural Community	Pinus palustris - (Pinus serotina) / Quercus laevis / Gaylussacia frondosa - Kalmia angustifolia - Vaccinium tenellum Woodland	Longleaf Pine / Scrub Oak Sandhill Woodland	2002-08-21	G1		S1			ROUTE 618 PINE BARRENS		
Vascular Plant	Carphephorus bellidifolius	Sandy-woods Chaffhead	2002-08-21	G4		S1			ROUTE 618 PINE BARRENS		
Vascular Plant	Pyxidanthera barbulata	Flowering Pixie-moss	2002-08-21	G4		S1			ROUTE 618 PINE BARRENS		
Vascular Plant	Stipulicida setacea var. setacea	Pineland Scaly-pink	2002-08-21	G4G5T4T5		S1			ROUTE 618 PINE BARRENS		
Vascular Plant	Carphephorus tomentosus	Wooly Chaffhead	2002-08-21	G4		S1			ROUTE 618 PINE BARRENS		
Vascular Plant	Vaccinium crassifolium	Creeping Blueberry	2002-08-21	G4G5		S1			ROUTE 618 PINE BARRENS		
Vascular Plant	Xyris caroliniana	Carolina Yellow-eyed-grass	2002-08-21	G4G5		S1			ROUTE 618 PINE BARRENS		
Vascular Plant	Juncus abortivus	Pine-barren Rush	2002-08-21	G4G5		S1			ROUTE 618 PINE BARRENS		
Vascular Plant	Rhexia petiolata	Ciliate Meadowbeauty	1941-09-11	G5?		S1					
Vascular Plant	Panicum hemitomon	Maidencane	2006-07-06	G5?		S2			CAT PONDS		
Vascular Plant	Rhynchospora macrostachya var. macrostachya	Tall Hornedrush	2001-08-21	G4T4Q		S2			CAT PONDS		
Vascular Plant	Carex reniformis	Reniform Sedge	1946-06-09	G4?		SH					
Invertebrate Animal	Lampsilis radiata	Eastern Lampmussel	1994-09-24	G5		S2S3			ANTIOCH SWAMP SCU		
Terrestrial Natural Community	Pinus taeda - Quercus falcata - Quercus nigra / Quercus margarettiae / Cnidoscolus stimulosus Woodland	Loblolly Pine / Scrub Oak Sandhill Woodland	2001-09-25	G3		SU			ZUNI PINE BARRENS		
Vascular Plant	Carphephorus bellidifolius	Sandy-woods Chaffhead	2005-08-03	G4		S1			ZUNI PINE BARRENS		
Vascular Plant	Kalmia angustifolia	Sheep-laurel	2005-07-01	G5		S2			ZUNI PINE BARRENS		
Vascular Plant	Polygonella polygama	October-flower	2001-09-25	G4		S1			ZUNI PINE BARRENS		
Vascular Plant	Carphephorus tomentosus	Wooly Chaffhead	2001-09-12	G4		S1			ZUNI PINE BARRENS		
Vascular Plant	Xyris caroliniana	Carolina Yellow-eyed-grass	1985-07-17	G4G5		S1					
Vascular Plant	Triadenum tubulosum	Large Marsh St. John's-wort	2002-06-12	G4?		S1			ZUNI PINE BARRENS		
Vascular Plant	Xyris platylepis	Tall Yellow-eyed-grass	2002-06-12	G5		S2			ZUNI PINE BARRENS		
Vascular Plant	Dichanthelium consanguineum	Blood Witchgrass	2005-07-06	G5		S1?			ZUNI PINE BARRENS		
Vascular Plant	Juncus abortivus	Pine-barren Rush	1936-08-27	G4G5		S1					
Vascular Plant	Desmodium strictum	Pineland Tick-trefoil	1991-08-02	G4		S2			ZUNI PINE BARRENS		
Vertebrate Animal	Ambystoma mabeei	Mabee's Salamander	1985-11-09	G4		S1S2		LT			
Terrestrial Natural Community	Pinus taeda - Quercus falcata - Quercus nigra / Quercus margarettiae / Cnidoscolus stimulosus Woodland	Loblolly Pine / Scrub Oak Sandhill Woodland	1991-08-02	G3		SU			ZUNI PINE BARRENS		
Vascular Plant	Desmodium strictum	Pineland Tick-trefoil	1991-07-29	G4		S2					
Vascular Plant	Quercus incana	Blue Jack Oak	1991-08-02	G5		S2			ZUNI PINE BARRENS		
Vertebrate Animal	Tantilla coronata	Southeastern Crowned Snake	1988-05-15	G5		S2S3			ZUNI PINE BARRENS		
Vascular Plant	Juncus abortivus	Pine-barren Rush	1992-09-01	G4G5		S1			ZUNI PINE BARRENS		
Vascular Plant	Ranunculus fascicularis	Mississippi Buttercup	1986-05-16	G5?		S1					
Vascular Plant	Quercus incana	Blue Jack Oak	1991-08-08	G5		S2					
Vascular Plant	Trichostema setaceum	Narrow-leaved Blue-curls	1992-09-01	G5		S2			ZUNI PINE BARRENS		

Vascular Plant	Sarracenia purpurea ssp. venosa	Southern Purple Pitcher-plant	1990-07-08	G5TNR		S2			BLACKWATER RIVER MAINSTEM		
Vascular Plant	Seymeria cassioides	Seymeria	1997-09-09	G5		S1S2			ZUNI PINE BARRENS		
Terrestrial Natural Community	Taxodium distichum - Nyssa aquatica / Fraxinus caroliniana Forest	Bald Cypress - Water Tupelo Brownwater Swamp	2010-07-09	G5?		S4			HICKANECK SWAMP		
Vascular Plant	Sabatia difformis	Two-formed Pink	2006-07-06	G4G5		S1			CAT PONDS		
Vascular Plant	Vaccinium crassifolium	Creeping Blueberry	2001-09-25	G4G5		S1			ZUNI PINE BARRENS		
Vascular Plant	Xyris carolinlana	Carolina Yellow-eyed-grass	2001-09-25	G4G5		S1			ZUNI PINE BARRENS		
Terrestrial Natural Community	Pinus palustris - (Pinus serotina) / Quercus laevis / Gaylussacia frondosa - Kalmia angustifolia - Vaccinium tenellum Woodland	Longleaf Pine / Scrub Oak Sandhill Woodland	2002-09-25	G1		S1			ZUNI PINE BARRENS		
Vascular Plant	Zornia bracteata	Viperina	2006-06-28	G5?		S1			ZUNI PINE BARRENS		
Vascular Plant	Verbena scabra	Sandpaper Vervain	1940-08-29	G5		S2					
Vertebrate Animal	Hyla gratiosa	Barking Treefrog	2012-06-05	G5		S1		LT	CAT PONDS		
Vascular Plant	Chamaesyce bombensis	Southern Beach Spurge	1940-08-20	G4G5		S2					
Vascular Plant	Gentiana autumnalis	Pine-barren Gentian	1952-10-17	G3		S1					
Vertebrate Animal	Fundulus lineolatus	Lined Topminnow	1962-05-05	G5		S2S3					
Vascular Plant	Trichostema setaceum	Narrow-leaved Blue-curls	1936-08-22	G5		S2					
Invertebrate Animal	Pygarctia abdominalis	Yellow-edged Pygarctia Moth	2000-07-13	G3		S1S2			ZUNI PINE BARRENS		
Terrestrial Natural Community	Nyssa biflora - (Quercus lyrata) / Leucothoe racemosa / Carex joorii Forest	Coastal Plain Seasonal Pond (Swamp Tupelo - Overcup Oak Type)	2003-07-16	G1G2		S1S2			MOONLIGHT SINKHOLE PONDS		
Vascular Plant	Sarracenia purpurea ssp. venosa	Southern Purple Pitcher-plant	2007-03-05	G5TNR		S2			ZUNI PINE BARRENS		
Vertebrate Animal	Hyla gratiosa	Barking Treefrog	1985-06-06	G5		S1		LT			
Vascular Plant	Vaccinium crassifolium	Creeping Blueberry	1966-05-29	G4G5		S1					
Vascular Plant	Stipulicida setacea var. setacea	Pineland Scaly-pink	1981-	G4G5T4T5		S1					
Vascular Plant	Pinus palustris	Long-leaf Pine	1981-	G5		S1					
Vascular Plant	Seymeria cassioides	Seymeria	1967-08-28	G5		S1S2					
Vascular Plant	Carphephorus tomentosus	Wooly Chaffhead	1940-09-02	G4		S1					
Vascular Plant	Rhynchospora debilis	Savannah Beakrush	1967-08-28	G4?		S1					
Vascular Plant	Kalmia carolina	Carolina Sheep-laurel	1981-04-14	G4		S2					
Vascular Plant	Pinus palustris	Long-leaf Pine	2007-12-03	G5		S1			ZUNI PINE BARRENS		
Vascular Plant	Pyxidanthera barbulata	Flowering Pixie-moss	2002-06-12	G4		S1			ZUNI PINE BARRENS		
Vascular Plant	Calopogon pallidus	Pale Grass-pink	2006-07-06	G4G5		S1					
Vascular Plant	Cyperus plukenetii	A Galingale Sedge	2005-08-03	G5		S2			ZUNI PINE BARRENS		
Vascular Plant	Zigadenus glaberrimus	Large-flowered Camass	2005-08-03	G5		S1					
Vascular Plant	Platanthera blephariglottis	White-fringe Orchis	2005-08-05	G4G5		S1			ZUNI PINE BARRENS		
Vascular Plant	Desmodium strictum	Pineland Tick-trefoil	2006-08-03	G4		S2			ZUNI PINE BARRENS		
Vascular Plant	Isoetes hyemalis	Winter Quillwort	2007-07-20	G2G3	SOC	S1?			ANTIOCH SWAMP SCU		
Vascular Plant	Myrica cerifera var. pumila	Southern Bayberry	2007-03-05	G5TNR		S1					
Vascular Plant	Chrysopsis gossypina	Cottony Golden-aster	pre1987	G5		S1					
Vascular Plant	Lobelia elongata	Elongated Lobelia	pre1987	G4G5		S1					
Vascular Plant	Crotalaria rotundifolia	Prostrate Rattle-box	pre1987	G5		SH					
Vascular Plant	Zornia bracteata	Viperina	pre1987	G5?		S1					
Vascular Plant	Sisyrinchium albidum	White Blue-eyed-grass	pre1987	G5?		S2					
Vascular Plant	Penstemon australis	Southern Beardtongue	1990-06-21	G5		S2			ZUNI PINE BARRENS		
Vascular Plant	Lipocarpha maculata	A Lipocarpha	pre1987	G5		S1					
Vascular Plant	Sarracenia flava	Yellow Pitcher-plant	pre1987	G5?		S1					
Vascular Plant	Minuartia carolinlana	Pine-barren Sandwort	pre1987	G5		SH					
Vascular Plant	Desmodium tenuifolium	Slim-leaf Tick-trefoil	pre1987	G4		S1					
Vascular Plant	Steinchisma Hians	Gaping Panic Grass	pre1987	G5		S1					
Vascular Plant	Rhynchospora debilis	Savannah Beakrush	pre1987	G4?		S1					
Vascular Plant	Xyris platylepis	Tall Yellow-eyed-grass	1949-08-20	G5		S2					
Vertebrate Animal	Acipenser oxyrinchus	Atlantic Sturgeon	2007-05	G3		S2	LE				
Vascular Plant	Dichanthelium ovale var. ovale	Oval-fruited Panic Grass	2001-09-25	G5T5		S1?			ZUNI PINE BARRENS		
Vertebrate Animal	Corynorhinus rafinesquii macrotis	Eastern Big-eared Bat	1998	G3G4TNR		S2		LE	BURNT MILL BRIDGE		
Vascular Plant	Litsea aestivalis	Pondspice	2010-07-20	G3		S1			ZUNI PINE BARRENS		
Terrestrial Natural Community	Quercus lyrata - Fraxinus pennsylvanica - (Carya aquatica, Quercus laurifolia) / Carex louisianica - Leersia lenticularis Forest	Coastal Plain Bottomland Forest (Brownwater Low Terrace Type)	2011-07-11	G4G5		S3?			ZUNI PINE BARRENS		
Terrestrial Natural Community	Nyssa biflora - (Quercus lyrata) / Leucothoe racemosa / Carex joorii Forest	Coastal Plain Seasonal Pond (Swamp Tupelo - Overcup Oak Type)	2010-07-20	G1G2		S1S2			ZUNI PINE BARRENS		
Terrestrial Natural Community	Nyssa biflora - (Taxodium distichum) / Clethra alnifolia - Viburnum nudum / Woodwardia areolata Forest	Coastal Plain Swamp Tupelo Blackwater Swamp	2010-09-15	G3		S3?			ZUNI PINE BARRENS		
Aquatic Natural Community	SC-Blackwater Second Order Stream	SC-Blackwater Second Order Stream	2011-01	G3		S3			POUCHES CREEK SCU		
Aquatic Natural Community	SC-Blackwater Second Order Stream	SC-Blackwater Second Order Stream	2011-01	G3		S3			POUCHES CREEK SCU		
Vertebrate Animal	Corynorhinus rafinesquii macrotis	Eastern Big-eared Bat	2011-04-22	G3G4TNR		S2		LE	CLONTZ PLACE		
Invertebrate Animal	Epitheca spinosa	Robust Baskettail	2011-04-27	G4		S2S3			ANTIOCH SWAMP SCU		
Invertebrate Animal	Callophrys irus	Frosted Elfin	2011-04-18	G3		S2?			ZUNI PINE BARRENS		
SITE NAME	B RANK	LEGAL STATUS									
ROUTE 618 PINE BARRENS	B2	NL									
HICKANECK SWAMP	B3	SL									
CAT PONDS	B1	SL									
MUDDY CROSS PONDS	B2	NL									
JAMES RIVER GHOST FLEET	B5	SL									
BLACKWATER RIVER MAINSTEM	B4	NL									
ANTIOCH SWAMP SCU	B3	SL									
FOURSQUARE PONDS	B2	NL									
ZUNI PINE BARRENS	B2	NL									
MOONLIGHT SINKHOLE PONDS	B2	NL									
DEVILS MILLPOND	B4	NL									
POUCHES CREEK SCU	B4	NL									
CLONTZ PLACE	B4	SL									
BURNT MILL BRIDGE	B4	SL									
BLACKWATER ECOLOGICAL PRSERVE & ANTIOCH PINES NAP											
JAMES RIVER DESIGNATED SCENIC											
JAMES CITY COUNTY											
GROUP NAME	SCIENTIFIC NAME	COMMON NAME	LAST OBSERVED	GLOBAL RANK	FWS SPECIES OF CONCERN	STATE RANK	FEDERAL STATUS	STATE STATUS	SITE NAME		

Vascular Plant	Sarracenia purpurea ssp. venosa	Southern Purple Pitcher-plant	ND	G5TNR		S2					
Vascular Plant	Carex lupuliformis	False Hop Sedge	2000-08-22	G4		S2			POWHATAN CREEK NATURAL AREA		
Vascular Plant	Juncus caesariensis	New Jersey Rush	1941-	G2G3	SOC	S2		LT			
Vascular Plant	Verbena scabra	Sandpaper Vervain	1974-08-25	G5		S2					
Vascular Plant	Eriocaulon parkeri	Parker's Pipewort	1990-08-20	G3		S2			POWHATAN CREEK NATURAL AREA		
Nonvascular Plant	Sphagnum torreyanum	Torrey's Peatmoss	1990-08-14	G3G4		S2			POWHATAN CREEK NATURAL AREA		
Terrestrial Natural Community	Peltandra virginica - (Pontederia cordata) Tidal Herbaceous Vegetation	Tidal Freshwater Marsh (Arrow-Arum - Pickerelweed Type)	1991-08-20	G3G4		S3S4			HOG NECK CREEK		
Vascular Plant	Aeschynomene virginica	Sensitive Joint-vetch	2004	G2		S2	LT	LT	JAMESTOWN ISLAND		
Vascular Plant	Trillium pusillum var. virginianum	Virginia Least Trillium	1990-05-09	G3T2	SOC	S2					
Vascular Plant	Stewartia ovata	Mountain Camellia	2006-08-31	G4		S2			TASKINAS CREEK		
Terrestrial Natural Community	Peltandra virginica - (Pontederia cordata) Tidal Herbaceous Vegetation	Tidal Freshwater Marsh (Arrow-Arum - Pickerelweed Type)	1996-09-10	G3G4		S3S4			DIASCUND CREEK-WILCOX NECK		
Vascular Plant	Eriocaulon parkeri	Parker's Pipewort	1991-08-01	G3		S2			CHICKAHOMINY RIVER - SHIPYARD CREEK - DIASCUND CREEK SCU		
Invertebrate Animal	Problema bulenta	Rare Skipper	2008-08-24	G2G3	SOC	S1			DIASCUND CREEK-WILCOX NECK		
Terrestrial Natural Community	Zizania aquatica - Pontederia cordata - Peltandra virginica - Polygonum punctatum Tidal Herbaceous Vegetation	Tidal Freshwater Marsh (Wild Rice - Mixed Forbs Type)	1991-08-21	G4?		S4?			WARE CREEK		
Vascular Plant	Isotria medeoloides	Small Whorled Pogonia	2007-07-11	G2		S2	LT	LE	WARE CREEK		
Terrestrial Natural Community	Spartina cynosuroides Tidal Herbaceous Vegetation	Tidal Oligohaline Marsh (Big Cordgrass Type)	1991-08-21	G4		S4			WARE CREEK		
Terrestrial Natural Community	Spartina alterniflora - Spartina cynosuroides Tidal Herbaceous Vegetation	Riverine Salt Marsh (Saltmarsh Cordgrass - Big Cordgrass Type)	1991-08-21	G4		S3?			WARE CREEK		
Vascular Plant	Lachnocaulon anceps	Bog-buttons	1974-07-01	G5		S2					
Vascular Plant	Steinchisma hians	Gaping Panic Grass	2001-09-19	G5		S1			JAMESTOWN ISLAND		
Animal Assemblage	Colonial Wading Bird Colony		2001-	G5		S2			JAMESTOWN ISLAND		
Terrestrial Natural Community	Acer rubrum - Fraxinus pennsylvanica / Packera aurea - Carex bromoides - Pilea fontana - Bidens laevis Forest	Coastal Plain Calcareous Seepage Swamp	2011-07-19	G2		S2			TASKINAS CREEK		
Invertebrate Animal	Problema bulenta	Rare Skipper	2011-08-25	G2G3	SOC	S1			JAMESTOWN ISLAND, MILL CREEK - JAMES CITY COUNTY MARSHES		
Terrestrial Natural Community	Spartina cynosuroides Tidal Herbaceous Vegetation	Tidal Oligohaline Marsh (Big Cordgrass Type)	2005-09-29	G4		S4			JAMESTOWN ISLAND		
Terrestrial Natural Community	Fagus grandifolia - Acer barbatum - Quercus muhlenbergii / Sanguinaria canadensis Forest	Coastal Plain Calcareous Ravine Forest	2002-09-23	G2?		S2			GROVE CREEK		
Terrestrial Natural Community	Peltandra virginica - (Pontederia cordata) Tidal Herbaceous Vegetation	Tidal Freshwater Marsh (Arrow-Arum - Pickerelweed Type)	1991-07-23	G3G4		S3S4			GORDON CREEK		
Terrestrial Natural Community	Peltandra virginica - (Pontederia cordata) Tidal Herbaceous Vegetation	Tidal Freshwater Marsh (Arrow-Arum - Pickerelweed Type)	1991-07-23	G3G4		S3S4			SHIELDS POINT		
Terrestrial Natural Community	Zizania aquatica - Pontederia cordata - Peltandra virginica - Polygonum punctatum Tidal Herbaceous Vegetation	Tidal Freshwater Marsh (Wild Rice - Mixed Forbs Type)	1991-08-01	G4?		S4?			BIG MARSH POINT		
Terrestrial Natural Community	Peltandra virginica - (Pontederia cordata) Tidal Herbaceous Vegetation	Tidal Freshwater Marsh (Arrow-Arum - Pickerelweed Type)	1991-08-20	G3G4		S3S4			YARMOUTH CREEK		
Vascular Plant	Trillium pusillum var. virginianum	Virginia Least Trillium	2010-05	G3T2	SOC	S2			POWHATAN CREEK NATURAL AREA		
Vertebrate Animal	Ambystoma mabeei	Mabee's Salamander	2007-03-30	G4		S1S2		LT	BLACK SWAMP RAVINES AND FLATWOODS		
Terrestrial Natural Community	Acer rubrum - Fraxinus pennsylvanica / Packera aurea - Carex bromoides - Pilea fontana - Bidens laevis Forest	Coastal Plain Calcareous Seepage Swamp	2002-09-23	G2		S2			GROVE CREEK		
Vascular Plant	Stewartia ovata	Mountain Camellia	2002-09-23	G4		S2			GROVE CREEK		
Vascular Plant	Eupatorium incarnatum	Pink Thoroughwort	2002-10-03	G5		S2			GROVE CREEK		
Terrestrial Natural Community	Quercus muhlenbergii / Cercis canadensis / Dichanthelium boscii - Bromus pubescens - Erigeron pulchellus var. pulchellus - Aquilegia canadensis Forest	Coastal Plain Dry Calcareous Forest	2002-09-23	G1		S1			GROVE CREEK		
Terrestrial Natural Community	Fagus grandifolia - Acer barbatum - Quercus muhlenbergii / Sanguinaria canadensis Forest	Coastal Plain Calcareous Ravine Forest	2002-09-27	G2?		S2			BLACK SWAMP RAVINES AND FLATWOODS		
Terrestrial Natural Community	Quercus alba - Quercus falcata - (Carya pallida) / Gaylussacia frondosa Forest	Coastal Plain Mixed Oak / Heath Forest	2002-09-26	G4G5		S4			BLACK SWAMP RAVINES AND FLATWOODS		
Terrestrial Natural Community	Nyssa biflora - (Quercus lyrata) / Leucothoe racemosa / Carex joorii Forest	Coastal Plain Seasonal Pond (Swamp Tupelo - Overcup Oak Type)	2002-09-25	G1G2		S1S2			BLACK SWAMP RAVINES AND FLATWOODS		
Terrestrial Natural Community	Quercus muhlenbergii / Cercis canadensis / Dichanthelium boscii - Bromus pubescens - Erigeron pulchellus var. pulchellus - Aquilegia canadensis Forest	Coastal Plain Dry Calcareous Forest	2002-10-03	G1		S1			GROVE CREEK		
Vascular Plant	Scutellaria incana	Hoary Skullcap	1990-07-20	G5		S2			GRAYLIN WOODS HABITAT ZONE		
Vascular Plant	Isotria medeoloides	Small Whorled Pogonia	2005-06	G2		S2	LT	LE	LIGHTFOOT		
Vascular Plant	Stewartia ovata	Mountain Camellia	1978-06-23	G4		S2					
Vascular Plant	Stewartia ovata	Mountain Camellia	1967-06-15	G4		S2					
Vascular Plant	Stewartia ovata	Mountain Camellia	1954-06-24	G4		S2					
Vascular Plant	Aeschynomene virginica	Sensitive Joint-vetch	2003-10-02	G2		S2	LT	LT	YARMOUTH CREEK		
Vascular Plant	Isotria medeoloides	Small Whorled Pogonia	1941-05-31	G2		S2	LT	LE			
Vascular Plant	Isotria medeoloides	Small Whorled Pogonia	2010-07-29	G2		S2	LT	LE	POWHATAN CREEK NATURAL AREA		
Vascular Plant	Helenium brevifolium	Shortleaf Sneezeweed	1953-06-14	G4		S2					
Vascular Plant	Helenium brevifolium	Shortleaf Sneezeweed	1949-06-11	G4		S2					
Vascular Plant	Eriocaulon decangulare	Ten-angle Pipewort	1949-07-26	G5		S2					
Vascular Plant	Juncus caesariensis	New Jersey Rush	1990-08-30	G2G3	SOC	S2		LT			
Vascular Plant	Sabatia campanulata	Slender Marsh Pink	1949-07-29	G5		S2					
Vascular Plant	Nuphar sagittifolia	Narrow-leaved Spatterdock	2003-10-02	G2	SOC	S1		LT	CHICKAHOMINY RIVER - SHIPYARD CREEK - DIASCUND CREEK SCU		
Terrestrial Natural Community	Quercus (phellos, pagoda, michauxii) / Ilex opaca - Clethra alnifolia / Woodwardia areolata Forest	Non-Riverine Wet Hardwood Forest (Northern Coastal Plain Type)	2005-05-16	G2?		S2			POWHATAN CREEK NATURAL AREA		
Terrestrial Natural Community	Acer rubrum - Fraxinus pennsylvanica / Packera aurea - Carex bromoides - Pilea fontana - Bidens laevis Forest	Coastal Plain Calcareous Seepage Swamp	2011-07-19	G2		S2			TASKINAS CREEK		
Terrestrial Natural Community	Acer rubrum - Fraxinus pennsylvanica / Packera aurea - Carex bromoides - Pilea fontana - Bidens laevis Forest	Coastal Plain Calcareous Seepage Swamp	2011-08-17	G2		S2			TASKINAS CREEK		
Terrestrial Natural Community	Acer rubrum - Fraxinus pennsylvanica / Packera aurea - Carex bromoides - Pilea fontana - Bidens laevis Forest	Coastal Plain Calcareous Seepage Swamp	2006-08-09	G2		S2			TASKINAS CREEK		

Terrestrial Natural Community	Fagus grandifolia - Quercus (alba, velutina, montana) / Kalmia latifolia Forest	Northern Coastal Plain / Piedmont Oak - Beech / Heath Forest	2011-08-17	G4		S3			TASKINAS CREEK		
Terrestrial Natural Community	Fagus grandifolia - Acer barbatum - Quercus muhlenbergii / Sanguinaria canadensis Forest	Coastal Plain Calcareous Ravine Forest	2005-05-15	G2?		S2			HALFWAY CREEK UPLANDS		
Vascular Plant	Isotria medeoloides	Small Whorled Pogonia	2007	G2		S2	LT	LE	COLBY SWAMP		
Vertebrate Animal	Acipenser oxyrinchus	Atlantic Sturgeon	2007-05	G3		S2	LE				
Vascular Plant	Heteranthera multiflora	Multiflowered Mud-plantain	1974-08-25	G4		S1					
Vascular Plant	Asclepias purpurascens	Purple Milkweed	1985-09-30	G5?		S2					
Vascular Plant	Penstemon australis	Southern Beardtongue	1951-05-28	G5		S2					
Terrestrial Natural Community	Quercus muhlenbergii / Cercis canadensis / Dichanthelium boscii - Bromus pubescens - Erigeron pulchellus var. pulchellus - Aquilegia canadensis Forest	Coastal Plain Dry Calcareous Forest	2010-05-06	G1		S1			GRICES RUN NATURAL AREA HABITAT ZONE		
SITE NAME	B RANK	LEGAL STATUS									
GORDON CREEK	B2	NL									
BIG MARSH POINT	B4	NL									
SHIELDS POINT	B3	NL									
GRAYLIN WOODS HABITAT ZONE	B5	NL									
COLLEGE WOODS NATURAL AREA	B2	FL									
GRICES RUN NATURAL AREA HABITAT ZONE	B2	NL									
HOG NECK CREEK	B4	NL									
MORRIS CREEK	B3	NL									
CHICKAHOMINY RIVER - SHIPYARD CREEK - DIASCUND CREEK SCU	B2	SL									
MILL CREEK - JAMES CITY COUNTY MARSHES	B3	NL									
POWHATAN CREEK NATURAL AREA	B2	FL									
JAMESTOWN ISLAND	B3	FL									
DIASCUND CREEK-WILCOX NECK	B2	NL									
YARMOUTH CREEK	B2	FL									
TASKINAS CREEK	B2	NL									
GROVE CREEK	B1	NL									
WARE CREEK	B3	FL									
BLACK SWAMP RAVINES AND FLATWOODS	B2	SL									
LIGHTFOOT	B3	FL									
COLBY SWAMP	B3	FL									
HALFWAY CREEK UPLANDS	B3	NL									
JAMES RIVER DESIGNATED SCENIC											
SOUTHAMPTON COUNTY											
GROUP NAME	SCIENTIFIC NAME	COMMON NAME	LAST OBSERVED	GLOBAL RANK	FWS SPECIES OF CONCERN	STATE RANK	FEDERAL STATUS	STATE STATUS	SITE NAME		
Vascular Plant	Rhynchospora nitens	Short-beaked Baldrush	1968-11-10	G4?		S1					
Vascular Plant	Zenobia pulverulenta	Dusty Zenobia	1939-09-20	G4?		S1					
Vascular Plant	Sabatia difformis	Two-formed Pink	1946-09-07	G4G5		S1					
Vascular Plant	Utricularia juncea	Southern Bladderwort	1946-09-29	G5		S2					
Vascular Plant	Eriocaulon decangulare	Ten-angle Pipewort	1946-10-05	G5		S2					
Vascular Plant	Eleocharis tricostata	Three-angle Spikerush	1962-09-08	G4		S1					
Vascular Plant	Rhynchospora filifolia	Thread-leaved Beakrush	1945-09-11	G5		SH					
Vascular Plant	Oldenlandia boscii	Bosc's Bluet	1942-07-07	G5		S1					
Terrestrial Natural Community	Carya pallida / Quercus margarettiae / Opuntia humifusa - Carex umbellata Woodland	Coastal Plain Xeric Fluvial Terrace Woodland	1989-05-23	G3		S1					
Vascular Plant	Eleocharis baldwinii	Baldwin Spikerush	1990-07-08	G4G5		S1			BLACKWATER RIVER MAINSTEM		
Terrestrial Natural Community	Pinus taeda - Quercus falcata - Quercus nigra / Quercus margarettiae / Croloscolus stimulosus Woodland	Loblolly Pine / Scrub Oak Sandhill Woodland	1992-06-12	G3		SU			CHERRY GROVE SWAMPS		
Invertebrate Animal	Basilia boardmanni	Southeastern Myotis Bat Fly	1996-08-08	G3		S1S2			HICKANECK SWAMP		
Vascular Plant	Cuthbertia graminea	Grass-like Rosetings	1992-06-12	G5		S1			CHERRY GROVE SWAMPS		
Vascular Plant	Chrysopsis gossypina	Cottony Golden-aster	1991-07-14	G5		S1			ROUND GUT SANDHILL HABITAT ZONE		
Vascular Plant	Micranthemum umbrosum	Shade Mudflower	2005-11-09	G5		S1			CYPRESS BRIDGE SWAMPS		
Vascular Plant	Chelone obliqua	Red Turtlehead	1992-09-30	G4		S1			PETERS BRIDGE FORESTS		
Invertebrate Animal	Aphylla williamsoni	Two-striped Forceptail	1978-10-10	G5		S2					
Vascular Plant	Quercus incana	Blue Jack Oak	1992-06-12	G5		S2			CHERRY GROVE SWAMPS		
Vertebrate Animal	Myotis austroriparius	Southeastern Myotis	1996-08-08	G3G4		S2			HICKANECK SWAMP		
Vascular Plant	Kalmia carolina	Carolina Sheep-laurel	1991-07-12	G4		S2			CHERRY GROVE SWAMPS		
Vascular Plant	Calycanthus floridus var. floridus	Sweet-shrub	2005-07-01	G5T4		S2?			CHERRY GROVE SWAMPS		
Vascular Plant	Onoclea sensibilis var. sensibilis	Virginia False-gromwell	1992-06-12	G4		S2			PETERS BRIDGE FORESTS		
Vascular Plant	Spermolepis divaricata	Rough-fruit Spermolepis	1992-06-12	G5		S1?			CHERRY GROVE SWAMPS		
Nonvascular Plant	Sphagnum carolinianum	Carolina Peatmoss	1992-08-26	G3		S2			IVOR EAST POWERLINE		
Vascular Plant	Solidago gracillima	A Goldenrod	1997-08-28	G4?		S2					
Invertebrate Animal	Somatochlora filosa	Fine-lined Emerald	1978-10-10	G5		S2					
Vascular Plant	Sarracenia purpurea ssp. venosa	Southern Purple Pitcher-plant	1988-03-21	G5T4NR		S2					
Terrestrial Natural Community	Pinus taeda - Quercus falcata - Quercus nigra / Quercus margarettiae / Croloscolus stimulosus Woodland	Loblolly Pine / Scrub Oak Sandhill Woodland	1992-09-22	G3		SU			ASSAMOOSICK SANDHILL		
Vertebrate Animal	Corynorhinus rafinesquii macrotis	Eastern Big-eared Bat	mid to late 1990s	G3G4TNR		S2		LE	MT. HAREB HOUSE , ROUTE 743 HOUSE - OXBOW HOUSE - ROUTE 674 HOUSES, HUNTS HOUSE		
Vascular Plant	Quercus hemisphaerica	Darlington's Oak	1992-09-22	G5		S1			ASSAMOOSICK SANDHILL		
Vascular Plant	Zenobia pulverulenta	Dusty Zenobia	1991-07-12	G4?		S1			CHERRY GROVE SWAMPS		
Vascular Plant	Cyperus plukenetii	A Galingale Sedge	1997-08-28	G5		S2			ROUND GUT SANDHILL HABITAT ZONE		
Invertebrate Animal	Somatochlora filosa	Fine-lined Emerald	1995-09-13	G5		S2			ANTIOCH SWAMP SCU, BLACKWATER RIVER MAINSTEM		
Vascular Plant	Tillandsia usneoides	Spanish Moss	1995-10-10	G5		S2			CYPRESS BRIDGE SWAMPS		
Vascular Plant	Ludwigia brevipes	Long Beach Seedbox	1989-05-30	G2G3	SOC	S2			JOHNSON MILLPOND HABITAT ZONE		
Vertebrate Animal	Corynorhinus rafinesquii macrotis	Eastern Big-eared Bat	1997-08-07	G3G4TNR		S2		LE	HICKANECK SWAMP, ROUTE 616 BEND		
Vascular Plant	Micranthemum umbrosum	Shade Mudflower	1995-10-10	G5		S1					
Vascular Plant	Carphephorus bellidifolius	Sandy-woods Chaffhead	1991-07-14	G4		S1			ROUND GUT SANDHILL HABITAT ZONE		
Invertebrate Animal	Epitheca spinosa	Robust Basketail	1978-04-16	G4		S2S3					
Vascular Plant	Sarracenia purpurea ssp. venosa	Southern Purple Pitcher-plant	1989-04-16	G5T4NR		S2			BEULAHLAND CHURCH BOG		
Vertebrate Animal	Corynorhinus rafinesquii macrotis	Eastern Big-eared Bat	1993-07-23	G3G4TNR		S2		LE	TARRARA CREEK HOUSE HABITAT ZONE		
Vertebrate Animal	Siren intermedia	Lesser Siren	1986-09-20	G5		S2S3					

Vertebrate Animal	Erimyzon sucetta	Lake Chubsucker	1984-04-13	G5		S2					
Vertebrate Animal	Erimyzon sucetta	Lake Chubsucker	1984-04-09	G5		S2					
Vertebrate Animal	Corynorhinus rafinesquii macrotis	Eastern Big-eared Bat	1993-07-30	G3G4TNR		S2		LE	RT 702 HOUSE HABITAT ZONE		
Vertebrate Animal	Corynorhinus rafinesquii macrotis	Eastern Big-eared Bat	1993-07-08	G3G4TNR		S2		LE	WATKINS CORNER HOUSE HABITAT ZONE		
Vertebrate Animal	Corynorhinus rafinesquii macrotis	Eastern Big-eared Bat	1993-07-30	G3G4TNR		S2		LE	RT 652X58 HOUSE HABITAT ZONE		
Vertebrate Animal	Corynorhinus rafinesquii macrotis	Eastern Big-eared Bat	1993-07-30	G3G4TNR		S2		LE	RT. 712 HOUSE HABITAT ZONE		
Vascular Plant	Wisteria frutescens	American Wisteria	1990-05-02	G5		S2			CHERRY GROVE SWAMPS WEST HABITAT ZONE		
Invertebrate Animal	Helocordulia selysii	Selys' Sundragon	1978-04-14	G4		S2S3					
Vertebrate Animal	Erimyzon sucetta	Lake Chubsucker	1982-04-29	G5		S2					
Vascular Plant	Oldenlandia boscii	Bosc's Bluet	1995-09-14	G5		S1			ANTIOCH SWAMP SCU		
Vertebrate Animal	Erimyzon sucetta	Lake Chubsucker	1984-04-09	G5		S2					
Vertebrate Animal	Fundulus lineolatus	Lined Topminnow	1984-08-08	G5		S2S3					
Vascular Plant	Zornia bracteata	Viperina	1991-07-29	G5?		S1			ZUNI PINE BARRENS		
Vascular Plant	Quercus incana	Blue Jack Oak	1991-07-29	G5		S2			ZUNI PINE BARRENS		
Vascular Plant	Rhynchospora fascicularis	Fasciculate Beakrush	1992-09-01	G5		S2					
Vascular Plant	Xyris laxifolia var. iridifolia	Irisleaf Yellow-eyed-grass	2001-08-02	G4G5T4T5		S1			STATESVILLE SINKHOLES		
Terrestrial Natural Community	Nyssa biflora - (Quercus lyrata) / Leucothoe racemosa / Carex joorii Forest	Coastal Plain Seasonal Pond (Swamp Tupelo - Overcup Oak Type)	2001-08-03	G1G2		S1S2			GUM SINKHOLES		
Terrestrial Natural Community	Nyssa biflora - (Quercus lyrata) / Leucothoe racemosa / Carex joorii Forest	Coastal Plain Seasonal Pond (Swamp Tupelo - Overcup Oak Type)	2001-08-03	G1G2		S1S2			GUM SINKHOLES		
Terrestrial Natural Community	Nyssa biflora - (Quercus lyrata) / Leucothoe racemosa / Carex joorii Forest	Coastal Plain Seasonal Pond (Swamp Tupelo - Overcup Oak Type)	2001-08-02	G1G2		S1S2			STATESVILLE SINKHOLES		
Terrestrial Natural Community	Nyssa biflora - (Quercus lyrata) / Leucothoe racemosa / Carex joorii Forest	Coastal Plain Seasonal Pond (Swamp Tupelo - Overcup Oak Type)	2001-08-02	G1G2		S1S2			STATESVILLE SINKHOLES		
Terrestrial Natural Community	Nyssa biflora - (Quercus lyrata) / Leucothoe racemosa / Carex joorii Forest	Coastal Plain Seasonal Pond (Swamp Tupelo - Overcup Oak Type)	2001-08-02	G1G2		S1S2			STATESVILLE SINKHOLES		
Terrestrial Natural Community	Nyssa biflora - (Quercus lyrata) / Leucothoe racemosa / Carex joorii Forest	Coastal Plain Seasonal Pond (Swamp Tupelo - Overcup Oak Type)	2001-08-02	G1G2		S1S2			STATESVILLE SINKHOLES		
Terrestrial Natural Community	Nyssa biflora - (Quercus lyrata) / Leucothoe racemosa / Carex joorii Forest	Coastal Plain Seasonal Pond (Swamp Tupelo - Overcup Oak Type)	2001-08-02	G1G2		S1S2			STATESVILLE SINKHOLES		
Terrestrial Natural Community	Nyssa biflora - (Quercus lyrata) / Leucothoe racemosa / Carex joorii Forest	Coastal Plain Seasonal Pond (Swamp Tupelo - Overcup Oak Type)	2001-08-02	G1G2		S1S2			STATESVILLE SINKHOLES		
Terrestrial Natural Community	Nyssa biflora - (Quercus lyrata) / Leucothoe racemosa / Carex joorii Forest	Coastal Plain Seasonal Pond (Swamp Tupelo - Overcup Oak Type)	2001-08-02	G1G2		S1S2			STATESVILLE SINKHOLES		
Vascular Plant	Mitreola petiolata	Lax Hornpod	2005-08-31	G5		S1			ANTIOCH SWAMP SCU		
Vascular Plant	Hemicarpha micrantha	Dwarf Bulrush	2001-10-09	G5		S1			ANTIOCH SWAMP SCU		
Vertebrate Animal	Ambystoma mabeei	Mabee's Salamander	1984-04-22	G4		S1S2		LT			
Vascular Plant	Micranthemum umbrosum	Shade Mudflower	2001-10-16	G5		S1			BLACKWATER RIVER MAINSTEM, ZUNI PINE BARRENS		
Vascular Plant	Clintes divaricata	Spreading Pogonia	2001-06-07	G4		S1			HANDSOM - GUM POWERLINE		
Vascular Plant	Oldenlandia boscii	Bosc's Bluet	1937-09-11	G5		S1					
Vascular Plant	Paspalum dissectum	Walter Paspalum	1937-09-11	G4?		S2					
Vascular Plant	Cirsium nuttallii	Nuttall's Thistle	1936-07-25	G5		SH					
Invertebrate Animal	Coryphaeschna ingens	Regal Darner	1975-06-11	G5		S1					
Vascular Plant	Carex decomposita	Epiphytic Sedge	1942-07	G3G4		S2					
Vascular Plant	Paspalum dissectum	Walter Paspalum	1944-09-18	G4?		S2					
Vascular Plant	Ludwigia brevipes	Long Beach Seedbox	1946-06	G2G3	SOC	S2					
Vascular Plant	Digitaria serotina	Dwarf Crabgrass	1942-07-04	G5?		S1					
Invertebrate Animal	Epitheca spinosa	Robust Baskettail	1989-04-12	G4		S2S3					
Invertebrate Animal	Cicindela abdominalis	Orange-bellied Tiger Beetle	1936-08-20	G3G4		S1					
Vascular Plant	Baptisia cinerea	Hairy False-indigo	1967-06-15	G3G4		SH					
Vascular Plant	Cirsium nuttallii	Nuttall's Thistle	1938-08-19	G5		SH					
Vascular Plant	Steinchisma hians	Gaping Panic Grass	1938-06-16	G5		S1					
Vascular Plant	Eryngium yuccifolium var. yuccifolium	Rattlesnake-master	1972-07-22	G5T5		S2					
Vascular Plant	Carex crus-corvi	Ravenfoot Sedge	1972-06-01	G5		S1S2					
Vascular Plant	Micranthemum umbrosum	Shade Mudflower	1942-	G5		S1					
Vertebrate Animal	Picoides borealis	Red-cockaded Woodpecker	1997	G3		S1	LE	LE			
Vascular Plant	Desmodium strictum	Pineland Tick-trefoil	1950-08-29	G4		S2					
Vascular Plant	Carex crus-corvi	Ravenfoot Sedge	1936-06-23	G5		S1S2					
Vascular Plant	Steinchisma hians	Gaping Panic Grass	1936-06-23	G5		S1					
Vascular Plant	Micranthemum umbrosum	Shade Mudflower	1941-09-14	G5		S1					
Vascular Plant	Lachnocaulon anceps	Bog-buttons	1972-06-01	G5		S2					
Vascular Plant	Carex lupuliformis	False Hop Sedge	1971-07-22	G4		S2					
Vascular Plant	Neobeckia aquatica	Lake Cress	1936-06-23	G4?		SH					
Vascular Plant	Ranunculus laxicaulis	Mississippi Buttercup	1936-06-23	G5?		S1					
Vascular Plant	Crataegus spathulata	A Hawthorn	1972-08-10	G5		SNA					
Vascular Plant	Steinchisma hians	Gaping Panic Grass	1936-08-25	G5		S1					
Invertebrate Animal	Siphloplecton costalense	Spieth's Great Speckled Olive Mayfly	1935-04-17	G2G4		SH					
Vertebrate Animal	Erimyzon sucetta	Lake Chubsucker	1967-09-22	G5		S2					
Vascular Plant	Hemicarpha micrantha	Dwarf Bulrush	1936-08-24	G5		S1					
Vascular Plant	Oldenlandia boscii	Bosc's Bluet	1936-08-25	G5		S1					
Vascular Plant	Carphephorus tomentosus	Woolly Chaffhead	1937-09-11	G4		S1					
Vascular Plant	Prenanthes autumnalis	Slender Rattlesnake-root	1967-10-14	G4G5		S2					
Vascular Plant	Quercus incana	Blue Jack Oak	1967-05-07	G5		S2					
Vascular Plant	Rhynchospora debilis	Savannah Beakrush	1938-07-10	G4?		S1					
Vertebrate Animal	Corynorhinus rafinesquii macrotis	Eastern Big-eared Bat	1993-07-30	G3G4TNR		S2		LE			
Vascular Plant	Digitaria cognata	Mountain Hairgrass	1972-10-29	G5		S2					
Vascular Plant	Hydrocotyle bonariensis	Coastal-plain Penny-wort	1972-08-09	G5		S1?					
Vascular Plant	Lysimachia radicans	Trailing Loosestrife	1939-07-17	G4G5		SH					
Vascular Plant	Digitaria serotina	Dwarf Crabgrass	1937-09-11	G5?		S1					
Vertebrate Animal	Bufo quercicus	Oak Toad	1960-	G5		S2					
Vascular Plant	Eleocharis tricostata	Three-angle Spikerush	1946-09-15	G4		S1					
Vascular Plant	Rhynchospora scirpoides	Long-beaked Baldrush	1946-09-15	G4		S1					
Vascular Plant	Desmodium tenuifolium	Slim-leaf Tick-trefoil	1972-08-29	G4		S1					
Vascular Plant	Pycnanthemum torrei	Torrey's Mountain-mint	1940-07-09	G2	SOC	S2?					
Vascular Plant	Carex reniformis	Reniform Sedge	1940-06-05	G4?		SH					
Vascular Plant	Quercus incana	Blue Jack Oak	1971-06-04	G5		S2					
Vascular Plant	Sida elliottii	Elliott Sida	1946-09-11	G4G5		S1					
Vascular Plant	Desmodium strictum	Pineland Tick-trefoil	1991-06-04	G4		S2					
Terrestrial Natural Community	Nyssa biflora - Acer rubrum - Magnolia virginiana - Chamaecyparis thyoides / Lyonia lucida - Clethra alnifolia Forest	Non-Riverine Swamp Forest (Mixed Evergreen Type)	2010-08-18	G2G3		S1			CHERRY GROVE SWAMPS		
Vascular Plant	Desmodium strictum	Pineland Tick-trefoil	1992-06-12	G4		S2			PETERS BRIDGE FORESTS		
Invertebrate Animal	Fusconaia masoni	Atlantic Pigtoe	1989-05-23	G2	SOC	S2		LT			

Invertebrate Animal	Lampsilis radiata	Eastern Lampmussel	1996-07-24	G5		S2S3			NOTTOWAY RIVER - MONROE BRIDGE SCU		
Invertebrate Animal	Lampsilis cariosa	Yellow Lampmussel	1996-07-24	G3G4		S2			NOTTOWAY RIVER - MONROE BRIDGE SCU		
Invertebrate Animal	Elliptio lanceolata	Yellow Lance	1996-07-24	G2G3	SOC	S2S3			NOTTOWAY RIVER - MONROE BRIDGE SCU		
Invertebrate Animal	Lampsilis radiata	Eastern Lampmussel	1989-05-23	G5		S2S3			NOTTOWAY RIVER - THREE CREEK SCU		
Invertebrate Animal	Lampsilis cariosa	Yellow Lampmussel	1989-05-23	G3G4		S2			NOTTOWAY RIVER - THREE CREEK SCU		
Invertebrate Animal	Lampsilis cariosa	Yellow Lampmussel	1994-09-30	G3G4		S2			NOTTOWAY RIVER - COURTLAND SCU		
Vertebrate Animal	Fundulus lineolatus	Lined Topminnow	1971-10-24	G5		S2S3					
Invertebrate Animal	Elliptio lanceolata	Yellow Lance	1966-06-04	G2G3	SOC	S2S3					
Vascular Plant	Carex reniformis	Reniform Sedge	1946-06-09	G4?		SH					
Invertebrate Animal	Lampsilis radiata	Eastern Lampmussel	1994-09-24	G5		S2S3			ANTIOCH SWAMP SCU		
Invertebrate Animal	Elliptio lanceolata	Yellow Lance	1998-05-07	G2G3	SOC	S2S3			TERRAPIN SWAMP SCU		
Vascular Plant	Ranunculus laxicaulis	Mississippi Buttercup	1939-07-20	G5?		S1					
Vertebrate Animal	Haliaeetus leucocephalus	Bald Eagle	2002-	G5		S2S3B,S3N		LT	BAEA - SOUTH QUAY		
Vascular Plant	Juncus abortivus	Pine-barren Rush	1936-08-27	G4G5		S1					
Vertebrate Animal	Ambystoma mabeei	Mabee's Salamander	1985-11-09	G4		S1S2		LT			
Vascular Plant	Ranunculus laxicaulis	Mississippi Buttercup	1986-05-16	G5?		S1					
Vascular Plant	Paspalum distichum	Joint Paspalum	1963-06-22	G5		S2					
Vascular Plant	Stillingia sylvatica ssp. sylvatica	Queen's Delight	1967-07-21	G5T5		S1					
Vascular Plant	Eriocaulon parkeri	Parker's Pipewort	1939-09-22	G3		S2					
Vascular Plant	Cleistes divaricata	Spreading Pogonia	1939-07	G4		S1					
Vascular Plant	Crotalaria rotundifolia	Prostrate Rattle-box	1939-06-23	G5		SH					
Invertebrate Animal	Zanclognatha theralis	A Noctuid Moth	1985-06-25	G4		S1S3					
Vascular Plant	Sarracenia flava	Yellow Pitcher-plant	1966-04-14	G5?		S1					
Terrestrial Natural Community	Taxodium distichum - Nyssa aquatica / Fraxinus caroliniana Forest	Bald Cypress - Water Tupelo Brownwater Swamp	2010-07-09	G5?		S4			HICKANECK SWAMP		
Vascular Plant	Scleria minor	Slender Nutrush	2006-06-27	G4		S2			HANDSOM - GUM POWERLINE		
Vascular Plant	Eriocaulon decangulare	Ten-angle Pipewort	2006-06-27	G5		S2			HANDSOM - GUM POWERLINE		
Vascular Plant	Rhynchospora cephalantha var. attenuata	Small Capitate Beakrush	2006-06-27	G5T3?		S2			HANDSOM - GUM POWERLINE		
Vascular Plant	Hypericum setosum	A St. John's-wort	2001-06-07	G4G5		S1S2			HANDSOM - GUM POWERLINE		
Vascular Plant	Rhynchospora stenophylla	Chapman Beakrush	2006-06-27	G4		S1			HANDSOM - GUM POWERLINE		
Vascular Plant	Asclepias rubra	Red Milkweed	2001-06-07	G4G5		S2			HANDSOM - GUM POWERLINE		
Vascular Plant	Zigadenus densus	Black Snakeroot	2006-06-27	G5		S1			HANDSOM - GUM POWERLINE		
Vascular Plant	Rhexia petiolata	Ciliate Meadowbeauty	2006-06-27	G5?		S1			HANDSOM - GUM POWERLINE		
Vascular Plant	Sabatia difformis	Two-formed Pink	2001-06-07	G4G5		S1			HANDSOM - GUM POWERLINE		
Vascular Plant	Cuthbertia graminea	Grass-like Rosellings	2010-08-19	G5		S1					
Vascular Plant	Sarracenia purpurea ssp. venosa	Southern Purple Pitcher-plant	2001-06-07	G5TNR		S2			HANDSOM - GUM POWERLINE		
Vascular Plant	Dichanthelium stigosum var. stigosum	Rough-hair Witchgrass	1995-08-25	G5T5		S1?			DELAWARE POWERLINE HABITAT ZONE		
Vascular Plant	Pinus palustris	Long-leaf Pine	1989-05-30	G5		S1			BEULAHLAND CHURCH BOG		
Vascular Plant	Desmodium strictum	Pineland Tick-trefoil	1991-07-10	G4		S2			PLEASANT PINES		
Terrestrial Natural Community	Pinus taeda - Quercus falcata - Quercus nigra / Quercus margarettiae / Cnidoscolus stimulosus Woodland	Loblolly Pine / Scrub Oak Sandhill Woodland	1991-07-10	G3		SU			PLEASANT PINES		
Vascular Plant	Desmodium strictum	Pineland Tick-trefoil	1997-08-28	G4		S2			ROUND GUT SANDHILL HABITAT ZONE		
Vascular Plant	Cuthbertia graminea	Grass-like Rosellings	2006-06-27	G5		S1			ROUND GUT SANDHILL HABITAT ZONE		
Vascular Plant	Paspalum bifidum	Pitchfork Paspalum	1970-07-30	G5		SH					
Vertebrate Animal	Corynorhinus rafinesquii macrotis	Eastern Big-eared Bat	1993-07-30	G3G4TNR		S2		LE	RT. 668 HOUSE		
Vascular Plant	Onosmodium virginianum	Virginia False-gromwell	1972-06-01	G4		S2					
Vertebrate Animal	Corynorhinus rafinesquii macrotis	Eastern Big-eared Bat	1993-07-23	G3G4TNR		S2		LE			
Vascular Plant	Carphephorus bellidifolius	Sandy-woods Chaffhead	1968-09-30	G4		S1					
Vertebrate Animal	Fundulus lineolatus	Lined Topminnow	1986-09-05	G5		S2S3					
Vascular Plant	Mitreola petiolata	Lax Hornpod	1950-08-26	G5		S1					
Vascular Plant	Trichostema setaceum	Narrow-leaved Blue-curls	1936-08-22	G5		S2					
Terrestrial Natural Community	Fagus grandifolia - Quercus (alba, rubra) - Liriodendron tulipifera / (Ilex opaca var. opaca) / Polystichum acrostichoides Forest	Northern Coastal Plain / Piedmont Mesic Mixed Hardwood Forest	2002-08-22	G5		S5			THREE CREEK/WORRELL SLOPES		
Terrestrial Natural Community	Pinus taeda - Quercus falcata - Quercus nigra / Quercus margarettiae / Cnidoscolus stimulosus Woodland	Loblolly Pine / Scrub Oak Sandhill Woodland	1991-07-10	G3		SU					
Terrestrial Natural Community	Nyssa biflora - (Quercus lyrata) / Leucothoe racemosa / Carex joorii Forest	Coastal Plain Seasonal Pond (Swamp Tupelo - Overcup Oak Type)	2003-09-03	G1G2		S1S2			VICKSVILLE SINKHOLE PONDS		
Vascular Plant	Scirpus flaccidifolius	Reclining Bulrush	2011-05-06	G2	SOC	S1		LT	CLARESVILLE BOTTOMLANDS		
Terrestrial Natural Community	Taxodium distichum - Nyssa aquatica / Fraxinus caroliniana Forest	Bald Cypress - Water Tupelo Brownwater Swamp	2010-07-13	G5?		S4			CYPRESS BRIDGE SWAMPS		
Vertebrate Animal	Fundulus lineolatus	Lined Topminnow	1984-04-09	G5		S2S3					
Vascular Plant	Triadenum tubulosum	Large Marsh St. John's-wort	2002-06-12	G4?		S1			LOWER FONTAINE CREEK		
Vascular Plant	Scirpus flaccidifolius	Reclining Bulrush	2002-06-10	G2	SOC	S1		LT	LOWER FONTAINE CREEK		
Vascular Plant	Quercus hemisphaerica	Darlington's Oak	2002-08-02	G5		S1			SOUTHAMPTON CO. RT 742 HABITAT ZONE		
Vascular Plant	Ludwigia brevipes	Long Beach Seedbox	2002-08-08	G2G3	SOC	S2			BRANCHVILLE SAND QUARRY		
Vascular Plant	Carex lupuliformis	False Hop Sedge	2010-08-12	G4		S2			CLARESVILLE BOTTOMLANDS		
Vascular Plant	Carphephorus tomentosus	Wooly Chaffhead	1950-08-29	G4		S1					
Vascular Plant	Lachnocaulon anceps	Bog-buttons	1950-08-29	G5		S2					
Vascular Plant	Hypericum setosum	A St. John's-wort	1950-08-28	G4G5		S1S2					
Vascular Plant	Cirsium repandum	Coastal-plain Thistle	1938-06-19	G5		SH					
Nonvascular Plant	Sphagnum strictum	Straight Peatmoss	1951-05-04	G5		S2					
Vascular Plant	Trichostema setaceum	Narrow-leaved Blue-curls	1939-09-20	G5		S2					
Nonvascular Plant	Sphagnum molle	Soft Peatmoss	1951-05-04	G4		S2					
Vascular Plant	Chrysopsis gossypina	Cottony Golden-aster	1967-09-25	G5		S1					
Vascular Plant	Carex crus-corvi	Ravenfoot Sedge	2011-05-06	G5		S1S2			LOWER FONTAINE CREEK, CLARESVILLE BOTTOMLANDS		
Vascular Plant	Scirpus flaccidifolius	Reclining Bulrush	2002-06-12	G2	SOC	S1		LT	LOWER FONTAINE CREEK		
Terrestrial Natural Community	Nyssa biflora - (Quercus lyrata) / Leucothoe racemosa / Carex joorii Forest	Coastal Plain Seasonal Pond (Swamp Tupelo - Overcup Oak Type)	2003-09-05	G1G2		S1S2			MANRY SINKHOLE PONDS		
Vertebrate Animal	Percina rex	Roanoke Logperch	1996-07-03	G1G2		S1S2	LE	LE	NOTTOWAY RIVER - THREE CREEK SCU		
Vascular Plant	Zenobia pulverulenta	Dusty Zenobia	1963-06-22	G4?		S1					
Terrestrial Natural Community	Liquidambar styraciflua - Quercus (michauxii, shumardii) - Carya cordiformis / Ilex decidua / Carex amphibola Forest	Southern Piedmont / Inner Coastal Plain Floodplain Terrace Forest	2011-05-06	G3G4		S3			CLARESVILLE BOTTOMLANDS		
Vascular Plant	Ophioglossum petiolatum	Longstem Adder's-tongue	2004-04-07	G5		S1			PETERS BRIDGE FORESTS		
Vertebrate Animal	Ambystoma mabeei	Mabee's Salamander	2004-04-22	G4		S1S2		LT	STATESVILLE SINKHOLES		
Vascular Plant	Penstemon australis	Southern Beardtongue	2005-07-01	G5		S2			CHERRY GROVE SWAMPS		
Vascular Plant	Dichanthelium consanguineum	Blood Witchgrass	1936-	G5		S1?					
Vascular Plant	Isoetes hyemalis	Winter Quillwort	2007-07-20	G2G3	SOC	S1?			ANTIOCH SWAMP SCU		
Invertebrate Animal	Prostoia hatfasi	Swamp Forestfly	1991-03-10	G3		S1S3			RT. 668 HOUSE		

Vascular Plant	Chrysopsis gossypina	Cottony Golden-aster	pre1987	G5		S1					
Vascular Plant	Lobelia elongata	Elongated Lobelia	pre1987	G4G5		S1					
Vascular Plant	Crotalaria rotundifolia	Prostrate Rattle-box	pre1987	G5		SH					
Vascular Plant	Zornia bracteata	Viperina	pre1987	G5?		S1					
Vascular Plant	Sisyrinchium albidum	White Blue-eyed-grass	pre1987	G5?		S2					
Vascular Plant	Penstemon australis	Southern Beardtongue	1990-06-21	G5		S2			ZUNI PINE BARRENS		
Vascular Plant	Lipocarpha maculata	A Lipocarpha	pre1987	G5		S1					
Vascular Plant	Sarracenia flava	Yellow Pitcher-plant	pre1987	G5?		S1					
Vascular Plant	Minuartia caroliniana	Pine-barren Sandwort	pre1987	G5		SH					
Vascular Plant	Desmodium tenuifolium	Slim-leaf Tick-trefoil	pre1987	G4		S1					
Vascular Plant	Steinchisma hians	Gaping Panic Grass	pre1987	G5		S1					
Vascular Plant	Rhynchospora debilis	Savannah Beakrush	pre1987	G4?		S1					
Vascular Plant	Rhynchospora wrightiana	Wright's Beakrush	1981-10-21	G5		S1					
Vascular Plant	Scleria ciliata var. ciliata	Fringed Nutrush	1950-08-26	G5TNR		S1					
Vascular Plant	Penstemon australis	Southern Beardtongue	1978-05-13	G5		S2					
Vascular Plant	Isoetes hyemalis	Winter Quillwort	1992-06-06	G2G3	SOC	S1?					
Vascular Plant	Carphephorus bellidifolius	Sandy-woods Chaffhead	1994-10-06	G4		S1					
Vascular Plant	Cyperus plukenetii	A Galingale Sedge	1994-10-06	G5		S2					
Vascular Plant	Lipocarpha maculata	A Lipocarpha	1961-08-19	G5		S1					
Vascular Plant	Crotalaria purshii	Rattlebox	1938-06-16	G5		S2					
Vascular Plant	Rhynchospora wrightiana	Wright's Beakrush	1938-06-10	G5		S1					
Vascular Plant	Oldenlandia boscii	Bosc's Bluet	1937-07-14	G5		S1					
Vascular Plant	Tillandsia usneoides	Spanish Moss	2010-08-19	G5		S2					
Vertebrate Animal	Hyla gratiosa	Barking Treefrog	2003	G5		S1		LT	BLACK CREEK TRIBUTARY		
Vascular Plant	Carex crus-corvi	Ravenfoot Sedge	2010-07-13	G5		S1S2			CYPRESS BRIDGE SWAMPS		
Terrestrial Natural Community	Quercus lyrata - Fraxinus pennsylvanica - (Carya aquatica, Quercus laurifolia) / Carex louisianica - Leersia lenticularis Forest	Coastal Plain Bottomland Forest (Brownwater Low Terrace Type)	2010-07-13	G4G5		S3?			CYPRESS BRIDGE SWAMPS		
Terrestrial Natural Community	Quercus michauxii - Quercus pagoda - Carya ovata / Carpinus caroliniana / Carex abscondita Forest	Coastal Plain Bottomland Forest (Brownwater High Terrace Type)	2011-05-05	G3G4		S3?			CLARESVILLE BOTTOMLANDS		
Terrestrial Natural Community	Nyssa biflora - (Quercus lyrata) / Leucothoe racemosa / Carex joorii Forest	Coastal Plain Seasonal Pond (Swamp Tupelo - Overcup Oak Type)	2010-09-09	G1G2		S1S2			CLARESVILLE BOTTOMLANDS		
Terrestrial Natural Community	Nyssa biflora - (Taxodium distichum) / Clethra alnifolia - Viburnum nudum / Woodwardia areolata Forest	Coastal Plain Swamp Tupelo Blackwater Swamp	2010-09-08	G3		S3?			LITTLE TEXAS		
Terrestrial Natural Community	Quercus lyrata - Fraxinus pennsylvanica - (Carya aquatica, Quercus laurifolia) / Carex louisianica - Leersia lenticularis Forest	Coastal Plain Bottomland Forest (Brownwater Low Terrace Type)	2011-08-24	G4G5		S3?			PETERS BRIDGE FORESTS		
Terrestrial Natural Community	Quercus lyrata - Fraxinus pennsylvanica - (Carya aquatica, Quercus laurifolia) / Carex louisianica - Leersia lenticularis Forest	Coastal Plain Bottomland Forest (Brownwater Low Terrace Type)	2011-07-11	G4G5		S3?			ZUNI PINE BARRENS		
Vascular Plant	Triadenum tubulosum	Large Marsh St. John's-wort	2010-08-12	G4?		S1			CLARESVILLE BOTTOMLANDS		
Vascular Plant	Mecranthemum umbrosum	Shade Mudflower	2010-08-19	G5		S1			SOUTH QUAY		
Vascular Plant	Asclepias tuberosa ssp. rolfsii	sandhills butterfly-weed	2010-08-19	G5?TNR		S1			SOUTH QUAY		
Aquatic Natural Community	SC-Blackwater Second Order Stream	SC-Blackwater Second Order Stream	2011-01	G3		S3			BLACK CREEK SCU		
Aquatic Natural Community	SC-Blackwater Second Order Stream	SC-Blackwater Second Order Stream	2011-01	G3		S3			LIGHTWOOD SWAMP SCU		
Terrestrial Natural Community	Cephalanthus occidentalis - Decodon verticillatus Shrubland	Coastal Plain / Piedmont Oxbow Shrub Swamp	2011-05-05	G4G5		SU			CLARESVILLE BOTTOMLANDS		
Terrestrial Natural Community	Taxodium distichum - Nyssa (biflora, aquatica) / Itea virginica / Saururus cernuus Forest	Bald Cypress - Mixed Tupelo Intermediate Swamp	2011-05-06	G3G4		S3S4			CLARESVILLE BOTTOMLANDS		
Vascular Plant	Enemion biternatum	False Rue-anemone	2011-05-06	G5		S1			CLARESVILLE BOTTOMLANDS		
SITE NAME	B RANK	LEGAL STATUS									
LOWER FONTAINE CREEK	B3	SL									
TARRARA CREEK HOUSE HABITAT ZONE	B5	SL									
ROUTE 743 HOUSE - OXBOW HOUSE - ROUTE 674 HOUSES	B5	SL									
CHERRY GROVE SWAMPS	B3	NL									
HICKANECK SWAMP	B3	SL									
ASSAMOOSICK SANDHILL	B3	NL									
HANDSOM - GUM POWERLINE	B4	NL									
TERRAPIN SWAMP SCU	B2	NL									
RT 652X58 HOUSE HABITAT ZONE	B5	SL									
RT 702 HOUSE HABITAT ZONE	B5	SL									
HUNTS HOUSE	B5	SL									
MT. HAREB HOUSE	B5	SL									
RT. 668 HOUSE	B4	SL									
RT. 712 HOUSE HABITAT ZONE	B5	SL									
WATKINS CORNER HOUSE HABITAT ZONE	B5	SL									
CHERRY GROVE SWAMPS WEST HABITAT ZONE	B5	NL									
NOTTOWAY RIVER - THREE CREEK SCU	B2	FL									
NOTTOWAY RIVER - MONROE BRIDGE SCU	B3	NL									
PLEASANT PINES	B3	NL									
AIRFIELD MILL POND	B4	NL									
GUM SINKHOLES	B2	NL									
BEULAHLAND CHURCH BOG	B5	NL									
IVOR EAST POWERLINE	B4	NL									
JOHNSON MILLPOND HABITAT ZONE	B2	NL									
DELAWARE POWERLINE HABITAT ZONE	B5	NL									
ROUND GUT SANDHILL HABITAT ZONE	B5	NL									
STATESVILLE SINKHOLES	B1	SL									
BLACKWATER RIVER MAINSTEM	B4	NL									
SOUTH QUAY	B2	NL									
ANTIOCH SWAMP SCU	B3	SL									
NOTTOWAY RIVER - COURTLAND SCU	B5	NL									
ZUNI PINE BARRENS	B2	NL									
THREE CREEK/WORRELL SLOPES	B4	NL									
VICKSVILLE SINKHOLE PONDS	B2	NL									
LITTLE TEXAS	B3	NL									
CLARESVILLE BOTTOMLANDS	B2	SL									
SOUTHAMPTON CO. RT 742 HABITAT ZONE	B5	NL									
BRANCHVILLE SAND QUARRY	B3	NL									
MANRY SINKHOLE PONDS	B2	FL									

CYPRESS BRIDGE SWAMPS	B4	NL									
THREE CREEK SCU	B3	NL									
PETERS BRIDGE FORESTS	B4	NL									
UGHTWOOD SWAMP SCU	B4	NL									
BLACK CREEK SCU	B4	NL									
BLACK CREEK TRIBUTARY	B5	SL									
ROUTE 616 BEND	B5	SL									
SOUTH QUAY SANDHILLS, CYPRESS BRIDGE, ANTIOCH PINES, AND BLACKWATER ECOLOGICAL NAP											
NOTTOWAY RIVER DESIGNATED SCENIC											
SURRY COUNTY											
GROUP NAME	SCIENTIFIC NAME	COMMON NAME	LAST OBSERVED	GLOBAL RANK	FWS SPECIES OF CONCERN	STATE RANK	FEDERAL STATUS	STATE STATUS	SITE NAME		
Vascular Plant	Triphora trianthophora	Nodding Pogonia	1940-08-28	G3G4		S1					
Vascular Plant	Desmodium ochroleucum	Creamflower Tick-trefoil	1941-09-08	G1G2	SOC	SH					
Vascular Plant	Trillium pusillum var. virginianum	Virginia Least Trillium	1949-07-04	G3T2	SOC	S2					
Vascular Plant	Eupatorium incarnatum	Pink Thoroughwort	1940-08-28	G5		S2					
Vascular Plant	Wolffia columbiana	Columbia Water-meal	1990-11-03	G5		S1					
Vertebrate Animal	Bufo quercicus	Oak Toad	1969-08-04	G5		S2					
Vascular Plant	Carex reniformis	Reniform Sedge	1971-06-04	G4?		SH					
Vascular Plant	Sarracenia purpurea ssp. venosa	Southern Purple Pitcher-plant	1949-07-04	G5TNR		S2					
Vascular Plant	Verbena scabra	Sandpaper Vervain	1936-10-20	G5		S2					
Vertebrate Animal	Hyla gratiosa	Barking Treefrog	mid to late 1990s	G5		S1		LT			
Vascular Plant	Carex decomposita	Epiphytic Sedge	1971-10-17	G3G4		S2					
Vertebrate Animal	Enneacanthus chaetodon	Blackbanded Sunfish	1985-06-25	G4		S1		LE			
Terrestrial Natural Community	Coastal Plain Depression Wetland	Coastal Plain Depression Wetland	1988-10-30	G2		SNR					
Vertebrate Animal	Corynorhinus rafinesquii macrotis	Eastern Big-eared Bat	2006-07-19	G3G4TNR		S2		LE	DENDRON SWAMP, LAZY OAK CORNER, ROUTE 604 - HWY 31 FIELDS		
Terrestrial Natural Community	Quercus muhlenbergii / Cercis canadensis / Dichanthelium boscii - Bromus pubescens - Erigeron pulchellus var. pulchellus - Aquilegia canadensis Forest	Coastal Plain Dry Calcareous Forest	1999-06-25	G1		S1			PIPSICO FOREST		
Animal Assemblage	Colonial Wading Bird Colony		1988-	G5		S2					
Vascular Plant	Xyris platylepis	Tall Yellow-eyed-grass	1995-08-24	G5		S2					
Vascular Plant	Scleria minor	Slender Nutrush	1995-09-08	G4		S2					
Vascular Plant	Ranunculus laxicaulis	Mississippi Buttercup	1991-06-14	G5?		S1			BERRYMANS CORNER		
Terrestrial Natural Community	Acer rubrum - Fraxinus pennsylvanica / Packera aurea - Carex bromoides - Pilea fontana - Bidens laevis Forest	Coastal Plain Calcareous Seepage Swamp	1999-06-25	G2		S2			PIPSICO FOREST		
Vascular Plant	Carex lupuliformis	False Hop Sedge	1995-08-24	G4		S2			SHRUB POCOSIN POWERLINE		
Vertebrate Animal	Hyla gratiosa	Barking Treefrog	1999	G5		S1		LT	GOLDEN HILL BRANCH, MILL SWAMP		
Vertebrate Animal	Fundulus lineolatus	Lined Topminnow	1985-07-25	G5		S2S3					
Vertebrate Animal	Erimyzon sucetta	Lake Chubsucker	1984-09-20	G5		S2					
Vascular Plant	Xyris platylepis	Tall Yellow-eyed-grass	1997-09-03	G5		S2			GOLDEN HILL BRANCH POWERLINE		
Terrestrial Natural Community	Fagus grandifolia - Liriodendron tulipifera - Carya cordiformis / Lindera benzoin / Podophyllum peltatum Forest	Coastal Plain / Outer Piedmont Basic Mesic Forest	2006-09-15	G4?		S3			LOWER COLLEGE RUN		
Invertebrate Animal	Epitheca spinosa	Robust Baskettail	2002-04-18	G4		S2S3			BLACKWATER WALLS BRIDGE		
Terrestrial Natural Community	Taxodium distichum - Nyssa aquatica / Fraxinus caroliniana Forest	Bald Cypress - Water Tupelo Brownwater Swamp	2010-07-15	G5?		S4			DENDRON SWAMP		
Terrestrial Natural Community	Acer rubrum - Fraxinus pennsylvanica / Packera aurea - Carex bromoides - Pilea fontana - Bidens laevis Forest	Coastal Plain Calcareous Seepage Swamp	2004-09-30	G2		S2			MOUNT PLEASANT RAVINES - SWANNS POINT		
Vascular Plant	Matrola petiolata	Lax Hornpod	1950-08-26	G5		S1					
Vascular Plant	Stachys matthewsii	Yadkin Hedgenettle	2001-10-04	GNR		S1			EASTOVER RAVINES		
Terrestrial Natural Community	Quercus muhlenbergii / Cercis canadensis / Dichanthelium boscii - Bromus pubescens - Erigeron pulchellus var. pulchellus - Aquilegia canadensis Forest	Coastal Plain Dry Calcareous Forest	2008-04-15	G1		S1			EASTOVER RAVINES		
Terrestrial Natural Community	Fagus grandifolia - Liriodendron tulipifera - Carya cordiformis / Lindera benzoin / Podophyllum peltatum Forest	Coastal Plain / Outer Piedmont Basic Mesic Forest	2008-04-15	G4?		S3			EASTOVER RAVINES		
Terrestrial Natural Community	Acer rubrum - Fraxinus pennsylvanica / Packera aurea - Carex bromoides - Pilea fontana - Bidens laevis Forest	Coastal Plain Calcareous Seepage Swamp	2006-09-15	G2		S2			LOWER COLLEGE RUN		
Terrestrial Natural Community	Quercus muhlenbergii / Cercis canadensis / Dichanthelium boscii - Bromus pubescens - Erigeron pulchellus var. pulchellus - Aquilegia canadensis Forest	Coastal Plain Dry Calcareous Forest	2006-09-15	G1		S1			LOWER COLLEGE RUN		
Vertebrate Animal	Bufo quercicus	Oak Toad	1969-08-05	G5		S2					
Vertebrate Animal	Fundulus lineolatus	Lined Topminnow	1981-04-10	G5		S2S3					
Vertebrate Animal	Fundulus lineolatus	Lined Topminnow	1985-06-26	G5		S2S3					
Vascular Plant	Aeschynomene virginica	Sensitive Joint-vetch	1939-08	G2		S2	LT	LT			
Terrestrial Natural Community	Taxodium distichum / Carex hyalinolepis Tidal Woodland	Tidal Bald Cypress Woodland (Shoreline Sedge Type)	2005-09-28	G2?		S1			MOUNT PLEASANT RAVINES - SWANNS POINT		
Invertebrate Animal	Problema bulenta	Rare Skipper	2007-08-14	G2G3	SOC	S1			LOWER CHIPPOKES CREEK		
Terrestrial Natural Community	Fagus grandifolia - Quercus (alba, rubra) - Liriodendron tulipifera / (Ilex opaca var. opaca) / Polystichum acrostichoides Forest	Northern Coastal Plain / Piedmont Mesic Mixed Hardwood Forest	2006-09-15	G5		S5			LOWER COLLEGE RUN		
Terrestrial Natural Community	Taxodium distichum / Carex hyalinolepis Tidal Woodland	Tidal Bald Cypress Woodland (Shoreline Sedge Type)	2006-09-15	G2?		S1			LOWER COLLEGE RUN		
Vascular Plant	Chelone cuthbertii	Cuthbert Turtlehead	2008-08-26	G3		S2			GOLDEN HILL BRANCH POWERLINE		
Terrestrial Natural Community	Acer rubrum - Fraxinus pennsylvanica / Packera aurea - Carex bromoides - Pilea fontana - Bidens laevis Forest	Coastal Plain Calcareous Seepage Swamp	2008-04-15	G2		S2			EASTOVER RAVINES		
Vascular Plant	Scleria ciliata var. ciliata	Fringed Nutrush	1950-08-26	G5TNR		S1					
Vertebrate Animal	Acipenser oxyrinchus	Atlantic Sturgeon	2007-05	G3		S2	LE				
Vascular Plant	Lipocarpha maculata	A Lipocarpha	1936-07-28	G5		S1					
Vertebrate Animal	Corynorhinus rafinesquii macroth	Eastern Big-eared Bat	1994	G3G4TNR		S2		LE	SHRUB POCOSIN POWERLINE		

Vertebrate Animal	Hyla gratiosa	Barking Treefrog	1988	G5		S1		LT	RT 617 EAST OF MILL SWAMP		
Vertebrate Animal	Hyla gratiosa	Barking Treefrog	mid to late 1990s	G5		S1		LT	RT 618 SW OF MERCY SEAT CHURCH		
Vascular Plant	Mitreola petiolata	Lax Hornpod	2010-07-14	G5		S1			BLACKWATER WALLS BRIDGE		
Aquatic Natural Community	SC-Lower James Second Order Stream	SC-Lower James Second Order Stream	2011-01	G3		S3			BAILEY BRANCH RT 10 SCU		
Aquatic Natural Community	SC-Blackwater First Order Stream	SC-Blackwater First Order Stream	2011-01	G3		S3			GREEN SWAMP SCU		
SITE NAME	B RANK	LEGAL STATUS									
BERRYMANS CORNER	B4	NL									
GOLDEN HILL BRANCH POWERLINE	B4	NL									
MOUNT PLEASANT RAVINES - SWANNS POINT	B2	NL									
DENDRON SWAMP	B5	SL									
SHRUB POCOSIN POWERLINE	B4	SL									
LOWER COLLEGE RUN	B2	NL									
TERRAPIN SWAMP SCU	B2	NL									
PIPSICO FOREST	B2	NL									
EASTOVER RAVINES	B2	NL									
BLACKWATER WALLS BRIDGE	B4	NL									
LOWER CHIPPOKES CREEK	B3	NL									
BAILEY BRANCH RT 10 SCU	B3	NL									
GREEN SWAMP SCU	B4	NL									
RT 617 EAST OF MILL SWAMP	B5	SL									
RT 618 SW OF MERCY SEAT CHURCH	B5	SL									
LAZY OAK CORNER	B5	SL									
ROUTE 604 - HWY 31 FIELDS	B5	SL									
BURNT MILL BRIDGE	B4	SL									
GOLDEN HILL BRANCH	B5	SL									
MILL SWAMP	B5	SL									
DENDRON SWAMP NAP											
JAMES RIVER DESIGNATED SCENIC											
YORK COUNTY											
GROUP NAME	SCIENTIFIC NAME	COMMON NAME	LAST OBSERVED	GLOBAL RANK	FWS SPECIES OF CONCERN	STATE RANK	FEDERAL STATUS	STATE STATUS	SITE NAME		
Vertebrate Animal	Crotalus horridus [Coastal Plain population]	Canebrake Rattlesnake	2008-10-16	G4		S1		LE	AIRPORT-TABB		
Vascular Plant	Chamaesyce bombensis	Southern Beach Spurge	1940-08-20	G4G5		S2					
Vascular Plant	Carex lupuliformis	False Hop Sedge	1950	G4		S2					
Vascular Plant	Trillium pusillum var. virginianum	Virginia Least Trillium	1983-04-20	G3T2	SOC	S2					
Vascular Plant	Cyperus diandrus	Umbrella Flatsedge	1937-09-18	G5		S1					
Vascular Plant	Tillandsia usneoides	Spanish Moss	1965-	G5		S2					
Vascular Plant	Cuscuta indecora	Pretty Dodder	1964-07-25	G5		S2?					
Vascular Plant	Stewartia ovata	Mountain Camellia	1989-09-21	G4		S2			LOWER QUEEN CREEK		
Vascular Plant	Liparis loeselii	Loesel's Twayblade	1997-06-05	G5		S2			LOWER QUEEN CREEK		
Vascular Plant	Chelone cuthbertii	Cuthbert Turtlehead	1995-09-13	G3		S2			GRAFTON PONDS		
Nonvascular Plant	Sphagnum macrophyllum var. macrophyllum	Large-leaf Peatmoss	1988-11-08	G3G5T3?		S2			GRAFTON PONDS		
Vascular Plant	Verbena scabra	Sandpaper Vervain	2004-07-14	G5		S2			WORMLEY POND		
Vertebrate Animal	Hyla gratiosa	Barking Treefrog	1990-06-14	G5		S1		LT	GRAFTON PONDS		
Terrestrial Natural Community	Eragrostis hypnoides - Ludwigia sphaerocarpa - Polygonum hydropiperoides Herbaceous Vegetation	Coastal Plain Seasonal Pond (Creeping Lovegrass Type)	2001-09-04	G3		SU			HARROD LANE POND		
Vertebrate Animal	Ambystoma mabeei	Mabee's Salamander	2006-04-14	G4		S1S2		LT	GRAFTON PONDS		
Terrestrial Natural Community	Quercus phellos - Acer rubrum - Liquidambar styraciflua / Vaccinium (formosum, fuscatum) Forest	Coastal Plain Depression Swamp (Willow Oak - Red Maple - Sweetgum Type)	2000-08-11	G3		S2			CRAWFORD ROAD POND		
Vascular Plant	Sabatia campanulata	Slender Marsh Pink	1995-09-13	G5		S2			GRAFTON PONDS		
Vertebrate Animal	Ambystoma mabeei	Mabee's Salamander	1990-02-13	G4		S1S2		LT	LACKEY PONDS		
Vascular Plant	Tillandsia usneoides	Spanish Moss	1990-10-08	G5		S2			GRAFTON PONDS		
Terrestrial Natural Community	Quercus muhlenbergii / Cercis canadensis / Dichanthelium boscii - Bromus pubescens - Erigeron pulchellus var. pulchellus - Aquilegia canadensis Forest	Coastal Plain Dry Calcareous Forest	2004-07-14	G1		S1			WORMLEY POND		
Vascular Plant	Hypericum setosum	A St. John's-wort	1995-08-16	G4G5		S1S2			GRAFTON PONDS		
Vascular Plant	Chelone cuthbertii	Cuthbert Turtlehead	1995-08-16	G3		S2			GRAFTON PONDS		
Vascular Plant	Fimbristylis perpusilla	Harper's Fimbristylis	2001-09-04	G2	SOC	S1		LE	HARROD LANE POND		
Vertebrate Animal	Falco peregrinus	Peregrine Falcon	1994-	G4		S1B,S2N		LT	COLEMAN BRIDGE HABITAT ZONE		
Terrestrial Natural Community	Nyssa biflora - (Quercus lyrata) / Leucothoe racemosa / Carex joorii Forest	Coastal Plain Seasonal Pond (Swamp Tupelo - Overcup Oak Type)	1991-06-25	G1G2		S1S2			KENTUCKY FARMS		
Vertebrate Animal	Ambystoma tigrinum	Tiger Salamander	1993-05-21	G5		S1		LE			
Vertebrate Animal	Crotalus horridus [Coastal Plain population]	Canebrake Rattlesnake	1992-08-12	G4		S1		LE	YORKMINSTER CHURCH HABITAT ZONE		
Animal Assemblage	Colonial Wading Bird Colony		1991-	G5		S2			GRAFTON PONDS		
Vascular Plant	Fimbristylis perpusilla	Harper's Fimbristylis	2008-09-24	G2	SOC	S1		LE	GRAFTON PONDS		
Vascular Plant	Calamovilfa brevipilis	Pine-barren Reed-grass	1995-08-09	G4		S1			GRAFTON PONDS		
Vertebrate Animal	Ardea alba	Great Egret	1991-	G5		S2S3B,S3N			GRAFTON PONDS		
Vertebrate Animal	Crotalus horridus [Coastal Plain population]	Canebrake Rattlesnake	1988-09-01	G4		S1		LE			
Vertebrate Animal	Ambystoma mabeei	Mabee's Salamander	1998-06-24	G4		S1S2		LT	AIRPORT-TABB		
Vascular Plant	Scutellaria incana	Hoary Skullcap	1994-07-27	G5		S2					
Vascular Plant	Mitreola petiolata	Lax Hornpod	1997-10-06	G5		S1			WORMLEY POND SCU		
Terrestrial Natural Community	Quercus muhlenbergii / Cercis canadensis / Dichanthelium boscii - Bromus pubescens - Erigeron pulchellus var. pulchellus - Aquilegia canadensis Forest	Coastal Plain Dry Calcareous Forest	1998-05-01	G1		S1			LOWER QUEEN CREEK		
Terrestrial Natural Community	Acer rubrum - Fraxinus pennsylvanica / Packera aurea - Carex bromoides - Pilea fontana - Bidens laevis Forest	Coastal Plain Calcareous Seepage Swamp	1997-10-22	G2		S2			LOWER QUEEN CREEK		
Terrestrial Natural Community	Acer rubrum - Fraxinus pennsylvanica / Packera aurea - Carex bromoides - Pilea fontana - Bidens laevis Forest	Coastal Plain Calcareous Seepage Swamp	1998-04-29	G2		S2			LOWER QUEEN CREEK		
Vascular Plant	Rhynchospora macrostachya var. macrostachya	Tall Hornedrush	2001-09-04	G4T4Q		S2			HARROD LANE POND		
Vascular Plant	Liparis loeselii	Loesel's Twayblade	1997-06-05	G5		S2			LOWER QUEEN CREEK		
Terrestrial Natural Community	Spartina alterniflora - Spartina patens Tidal Herbaceous Vegetation	Low Salt Marsh (Salt Panne Type)	1991-06-24	G5		S3?			CRAB NECK MARSHES		
Terrestrial Natural Community	Baccharis halimifolia - Iva frutescens / Spartina patens Shrubland	Salt Scrub	1991-06-24	G5		S4			CRAB NECK MARSHES		

Vascular Plant	Chamaesyce bombensis	Southern Beach Spurge	1975-07-15	G4G5		S2					
Vascular Plant	Wisteria frutescens	American Wisteria	1994-05-04	G5		S2			BLAINE LANDING ROAD UPLAND		
Vascular Plant	Ilisea aestivalis	Pondspike	2010-07-29	G3		S1			GRAFTON PONDS		
Terrestrial Natural Community	Quercus (phellos, pagoda, michauxii) / Ilex opaca - Clethra alnifolia / Woodwardia areolata Forest	Non-Riverine Wet Hardwood Forest (Northern Coastal Plain Type)	2002-08-07	G2?		S2			UPPER CRAB NECK		
Terrestrial Natural Community	Quercus muhlenbergii / Cercis canadensis / Dichanthelium boscii - Bromus pubescens - Erigeron pulchellus var. pulchellus - Aquilegia canadensis Forest	Coastal Plain Dry Calcareous Forest	2005-08-31	G1		S1			BALLARD CREEK RAVINES - ROOSEVELT POND		
Terrestrial Natural Community	Nyssa biflora - (Quercus lyrata) / Leucothoe racemosa / Carex joorii Forest	Coastal Plain Seasonal Pond (Swamp Tupelo - Overcup Oak Type)	2002-09-25	G1G2		S1S2			HALSTEAD ROAD SINKHOLE PONDS		
Invertebrate Animal	Sphinx franckii	Franck's Sphinx	2002-06-26	G4		S2S3			JONES MILLPOND		
Animal Assemblage	Colonial Wading Bird Colony		1994-	G5		S2			LOWER QUEEN CREEK		
Terrestrial Natural Community	Cephalanthus occidentalis - (Decodon verticillatus) / Panicum verrucosum - Dulichium arundinaceum - (Torreyochloa pallida) Shrub Herbaceous Vegetation	Coastal Plain Seasonal Buttonbush Pond	2001-09-04	G3?		S2			HARROD LANE POND		
Terrestrial Natural Community	Nyssa biflora - (Quercus lyrata) / Leucothoe racemosa / Carex joorii Forest	Coastal Plain Seasonal Pond (Swamp Tupelo - Overcup Oak Type)	2000-08-11	G1G2		S1S2			CRAWFORD ROAD POND		
Vascular Plant	Liparis loeselii	Loesel's Twayblade	1989-06-09	G5		S2			LOWER QUEEN CREEK		
Vascular Plant	Utricularia striata	Fibrous Bladderwort	1990-08-24	G4G5		S1			BALLARD CREEK RAVINES - ROOSEVELT POND		
Terrestrial Natural Community	Fagus grandifolia - Acer barbatum - Quercus muhlenbergii / Sanguinaria canadensis Forest	Coastal Plain Calcareous Ravine Forest	2002-09-19	G2?		S2			BALLARD CREEK RAVINES - ROOSEVELT POND		
Terrestrial Natural Community	Fagus grandifolia - Acer barbatum - Quercus muhlenbergii / Sanguinaria canadensis Forest	Coastal Plain Calcareous Ravine Forest	2000-07-11	G2?		S2			BALLARD CREEK RAVINES - ROOSEVELT POND		
Terrestrial Natural Community	Acer rubrum - Fraxinus pennsylvanica / Packera aurea - Carex bromoides - Pilea fontana - Bidens laevis Forest	Coastal Plain Calcareous Seepage Swamp	2004-09-10	G2		S2			BALLARD CREEK RAVINES - ROOSEVELT POND		
Terrestrial Natural Community	Acer rubrum - Fraxinus pennsylvanica / Packera aurea - Carex bromoides - Pilea fontana - Bidens laevis Forest	Coastal Plain Calcareous Seepage Swamp	2002-09-06	G2		S2			KING CREEK RAVINE		
Terrestrial Natural Community	Fagus grandifolia - Acer barbatum - Quercus muhlenbergii / Sanguinaria canadensis Forest	Coastal Plain Calcareous Ravine Forest	2002-09-27	G2?		S2			BLACK SWAMP RAVINES AND FLATWOODS		
Terrestrial Natural Community	Acer rubrum - Fraxinus pennsylvanica / Packera aurea - Carex bromoides - Pilea fontana - Bidens laevis Forest	Coastal Plain Calcareous Seepage Swamp	2002-09-19	G2		S2			BLACK SWAMP RAVINES AND FLATWOODS		
Terrestrial Natural Community	Acer rubrum - Fraxinus pennsylvanica / Packera aurea - Carex bromoides - Pilea fontana - Bidens laevis Forest	Coastal Plain Calcareous Seepage Swamp	2002-09-05	G2		S2			BLACK SWAMP RAVINES AND FLATWOODS		
Terrestrial Natural Community	Fagus grandifolia - Acer barbatum - Quercus muhlenbergii / Sanguinaria canadensis Forest	Coastal Plain Calcareous Ravine Forest	2002-09-05	G2?		S2			BLACK SWAMP RAVINES AND FLATWOODS		
Terrestrial Natural Community	Fagus grandifolia - Quercus (alba, rubra) - Liriodendron tulipifera / (Ilex opaca var. opaca) / Polystichum acrostichoides Forest	Northern Coastal Plain / Piedmont Mesic Mixed Hardwood Forest	2002-09-27	G5		S5			BLACK SWAMP RAVINES AND FLATWOODS		
Terrestrial Natural Community	Quercus muhlenbergii / Cercis canadensis / Dichanthelium boscii - Bromus pubescens - Erigeron pulchellus var. pulchellus - Aquilegia canadensis Forest	Coastal Plain Dry Calcareous Forest	2002-09-27	G1		S1			BLACK SWAMP RAVINES AND FLATWOODS		
Terrestrial Natural Community	Fagus grandifolia - Acer barbatum - Quercus muhlenbergii / Sanguinaria canadensis Forest	Coastal Plain Calcareous Ravine Forest	2002-09-06	G2?		S2			BLACK SWAMP RAVINES AND FLATWOODS		
Terrestrial Natural Community	Acer rubrum - Fraxinus pennsylvanica / Packera aurea - Carex bromoides - Pilea fontana - Bidens laevis Forest	Coastal Plain Calcareous Seepage Swamp	2002-09-06	G2		S2			BLACK SWAMP RAVINES AND FLATWOODS		
Terrestrial Natural Community	Nyssa biflora - (Quercus lyrata) / Leucothoe racemosa / Carex joorii Forest	Coastal Plain Seasonal Pond (Swamp Tupelo - Overcup Oak Type)	2002-09-25	G1G2		S1S2			BLACK SWAMP RAVINES AND FLATWOODS		
Vascular Plant	Lythrum lanceolatum	Lance-leaved Loosestrife	1940-08-20	G5T5		SH					
Terrestrial Natural Community	Nyssa biflora - (Quercus lyrata) / Leucothoe racemosa / Carex joorii Forest	Coastal Plain Seasonal Pond (Swamp Tupelo - Overcup Oak Type)	2003-10-23	G1G2		S1S2			GRAFTON PONDS		
Vascular Plant	Stewartia ovata	Mountain Camellia	1954-06-24	G4		S2					
Vascular Plant	Isotria medeoloides	Small Whorled Pogonia	1941-05-11	G2		S2	LT	LE			
Vascular Plant	Sabatia campanulata	Slender Marsh Pink	1997-07-15	G5		S2			GRAFTON PONDS		
Vascular Plant	Sabatia campanulata	Slender Marsh Pink	2004-10-20	G5		S2			GRAFTON PONDS		
Terrestrial Natural Community	Acer rubrum - Fraxinus pennsylvanica / Packera aurea - Carex bromoides - Pilea fontana - Bidens laevis Forest	Coastal Plain Calcareous Seepage Swamp	2003-05-07	G2		S2			WORMLEY POND		
Terrestrial Natural Community	Fagus grandifolia - Acer barbatum - Quercus muhlenbergii / Sanguinaria canadensis Forest	Coastal Plain Calcareous Ravine Forest	2003-05-07	G2?		S2			WORMLEY POND		
Terrestrial Natural Community	Quercus muhlenbergii / Cercis canadensis / Dichanthelium boscii - Bromus pubescens - Erigeron pulchellus var. pulchellus - Aquilegia canadensis Forest	Coastal Plain Dry Calcareous Forest	2004-09-24	G1		S1			BALLARD CREEK RAVINES - ROOSEVELT POND		
Vascular Plant	Eupatorium incarnatum	Pink Thoroughwort	2000-07-11	G5		S2			BALLARD CREEK RAVINES - ROOSEVELT POND		
Terrestrial Natural Community	Quercus muhlenbergii / Cercis canadensis / Dichanthelium boscii - Bromus pubescens - Erigeron pulchellus var. pulchellus - Aquilegia canadensis Forest	Coastal Plain Dry Calcareous Forest	2004-07-21	G1		S1			KING CREEK SLOPES AND MARSHES		
Terrestrial Natural Community	Quercus muhlenbergii / Cercis canadensis / Dichanthelium boscii - Bromus pubescens - Erigeron pulchellus var. pulchellus - Aquilegia canadensis Forest	Coastal Plain Dry Calcareous Forest	2004-07-14	G1		S1			WORMLEY POND		
Terrestrial Natural Community	Quercus phellos - Acer rubrum - Liquidambar styraciflua / Vaccinium (formosum, fuscatum) Forest	Coastal Plain Depression Swamp (Willow Oak - Red Maple - Sweetgum Type)	2010-08-03	G3		S2			GRAFTON PONDS		
Terrestrial Natural Community	Cephalanthus occidentalis - (Decodon verticillatus) / Panicum verrucosum - Dulichium arundinaceum - (Torreyochloa pallida) Shrub Herbaceous Vegetation	Coastal Plain Seasonal Buttonbush Pond	2010-08-03	G3?		S2			GRAFTON PONDS		
Terrestrial Natural Community	Nyssa biflora - (Quercus lyrata) / Leucothoe racemosa / Carex joorii Forest	Coastal Plain Seasonal Pond (Swamp Tupelo - Overcup Oak Type)	2010-08-03	G1G2		S1S2			GRAFTON PONDS		
Vertebrate Animal	Circus cyaneus	Northern Harrier	1992-05	G5		S1S2B,S3N			BACK RIVER MARSHES		
Terrestrial Natural Community	Saccharum baldwinii - Carex (joorii, glaucescens) - Panicum rigidulum Herbaceous Vegetation	Coastal Plain Seasonal Pond (Slender Plumegrass Type)	2009-10-08	G2G3		SU			GRAFTON PONDS		
SITE NAME	B RANK	LEGAL STATUS									

HALSTEAD ROAD SINKHOLE PONDS	B2	NL									
WORMLEY POND	B2	NL									
CRAWFORD ROAD POND	B2	NL									
CRAB NECK MARSHES	B4	NL									
BLAINE LANDING ROAD UPLAND	B5	NL									
KENTUCKY FARMS	B2	NL									
LACKEY PONDS	B5	SL									
UPPER CRAB NECK	B3	NL									
HARROD LANE POND	B2	SL									
COLEMAN BRIDGE HABITAT ZONE	B5	SL									
LOWER QUEEN CREEK	B2	NL									
YORKMINSTER CHURCH HABITAT ZONE	B5	SL									
WORMLEY POND SCU	B5	NL									
JONES MILLPOND	B5	NL									
GRAFTON PONDS	B2	SL									
BALLARD CREEK RAVINES - ROOSEVELT POND	B1	NL									
KING CREEK RAVINE	B2	NL									
BLACK SWAMP RAVINES AND FLATWOODS	B2	SL									
KING CREEK SLOPES AND MARSHES	B2	NL									
AIRPORT-TABB	B5	SL									
BACK RIVER MARSHES	B1	FL									
Grafton Ponds NAP											

VIRGINIA DEPARTMENT OF HEALTH – OFFICE OF DRINKING WATER
Water Supply Plan (WSP) Review

Reviewed By:	Azhar Mirza, Kendra Hardy, Ernest Johnson, Renee Hall, Dixon Tucker	Review Date:	January 29 - February 27, 2013
Field Office:	East Central Southeast Virginia	Planning District(s):	18 19, 20A, 20B, 21
WSP Name:	Hampton Roads Regional Plan		
Does WSP include all significant community waterworks?		☐ Yes ☒ No	
If no, identify significant waterworks that are excluded from the plan:			
PD 19: The plan does not include Pooles MHP in Surry County. PD 21: In Hampton, Langley AFB has spun off the old Bethel Housing area to a contractor, and it is now considered to be a separate waterworks, with a claimed population of 3,344. The total population in the city hasn't changed, but the population is spread over more waterworks. The proposed water system in James City County (Liberty Ridge) is now permitted and in operation. Two other waterworks in James City County are in development: Ford's Colony 35 (currently under construction) and Deer Lakes (construction plans pending). The plan does address the Liberty Ridge project (groundwater), but does not address either Ford's Colony 35 or Deer Lakes.			
Does WSP propose new or expanded waterworks capacity in the future?		☒ Yes ☐ No	
PD 20B: The permitted capacity of the City of Chesapeake's Northwest River system may be affected by the addition of increased purchased raw water from the Lake Gaston project or finished water from the City of Portsmouth. The permitted capacity of the City of Suffolk's Central system may be affected by the addition of purchased raw water from the Lake Gaston project and the construction of a new surface water plant.			
Is need for future new or expanded waterworks consistent with existing ODW information and previous planning reports for the waterworks?		☒ Yes ☐ No ☐ NA	
If no, explain:			
Are new water sources proposed?		☒ Yes ☐ No	
If yes, have safe yield evaluations been performed for new sources?		☐ Yes ☒ No ☐ NA	
If yes, do the safe yield evaluations appear reasonable?		☐ Yes ☐ No ☒ NA	
Comments:			
PD 18: Gloucester County is considering the replacement of Well No. 2 with a new well. PD 20A: No increases in source capacity or new sources are proposed. Future increases in demand are proposed to be met by system optimization through convervation, leak detection, rate structure, etc. Water reuse as an alternative is also discussed. PD 20B: A new well has been drilled at the Drewryville waterworks in Southampton County. PD 21: The plan does address the new wells for Liberty Ridge. The yields are based upon the VDH/DEQ yield & drawdown and aquifer test procedures. The wells for Ford's Colony 35 and Deer Lakes will be permitted in the same way.			

If new sources are proposed, has the quality of sources been considered including upstream discharges and land use?	☐ Yes ☐ No ☒ NA
Comments:	
Is expansion of the existing source(s) proposed?	☐ Yes ☒ No
If yes, is a new safe yield evaluation of the source needed?	☐ Yes ☐ No ☒ NA
If yes, has a new safe yield evaluation of the existing source been provided?	☐ Yes ☐ No ☒ NA
If yes, does the new safe yield appear reasonable?	☐ Yes ☐ No ☒ NA
Comments:	
PD 21: The plan does not address any major additional sources of water for the Peninsula (it does address some minor amounts of groundwater withdrawal for the Liberty Ridge project). Newport News has not actively discussed replacement sources for the King William reservoir project.	
Other comments or concerns:	
PD 19: The current VDH permit limit for the Town of Dendron is 125 ERC (0.05 MGD), not 0.02 MGD as listed in Table 1-28. The Scottland Riverview waterworks (formerly known as Scotland Heights) has two wells, but the report only lists one well for the system. DEQ has issued a Groundwater Withdrawal Permit to Chippokes State Park (covering the two separate waterworks in the park), but the park is not identified in the plan as a self-supplied user. The Tidewater Academy waterworks has been inactivated. New sources have been installed or activated at several waterworks since the drafting of this plan. PD 20A: Gatling Pointe does receive water from the Town of Smithfield, as noted on page 1-48, but is NOT under a fluoride Consent Order. The Town of Smithfield waterworks is in fact limited by a DEQ Groundwater Withdrawal Permit. Isle of Wight County now owns Lawne's Point, however the system still does not qualify as a Community Wwaterworks. Ashby Subdivision, Brewer's Creek, Cannon Acres, and Queen Anne's Court have all been connected to Isle of Wight County's Northern Development Service District (NDSD), and their separate Waterworks Operation Permits have been revoked. Red Oaks Mobile Community is in the process of final connection to the NDSD and at that time will no longer be a Community Waterworks. Four waterworks remain on VDH Consent Order for high fluoride violations: Cherry Grove Acres, Deer Run, Longview Acres and Springfield Downs. Bob Steele, Edwards Trailer Park and James River Shores have each been physically separated into private, non-regulated well systems. International Paper's future water needs are unknown. It is unlikely that Smithfield Foods (withdrawing more than 300,000 gal/month) would connect to a publicly-owned waterworks in the future. PD 20B: Water quality data for the new Drewryville well has been submitted, but the well yield needs to be re-evaluated. The City of Chesapeake will increase their use of raw water from Lake Gaston, once the Red Top transmission facilities (pump station improvements and raw water main, currently under construction) are placed into service. The City of Suffolk is expected to begin purchasing raw water from Lake Gaston as early as 2015.The plan does not include well#6 serving the Holland waterworks in the City of Suffolk. PD 21: The plan noted that the Peninsula may be in a source water deficit situation during the 40-year design period of the plan, but doesn't really address any additional sources to be developed.	

COMMONWEALTH of VIRGINIA

Marine Resources Commission
2600 Washington Avenue
Third Floor
Newport News, Virginia 23607

Douglas W. Domenech
Secretary of Natural Resources

Jack G. Travelstead
Commissioner

September 6, 2013

Ms. Tammy D. Stephenson
Program Coordinator
Office of Water Supply
Virginia Department of Environmental Quality
3019 Peters Creek Road
Roanoke, Virginia 24019

Re: Water Supply Plans

Dear Ms. Stephenson:

This is in response to your request for comments regarding the Water Supply Plans for the localities listed in the James River Watershed.

While the plans characterize the existing resources information in each region, we wish to note that any potential plan to develop an additional surface water withdrawal requiring an encroachment over State-owned submerged land would require a permit from the Marine Resources Commission. Permits would also be required for any pipelines or infrastructure involving State-owned submerged lands that would be associated with water distribution. Although the resource information in the plans describes information that would need to be considered for any withdrawal project, we must also consider those factors identified in Section 28.2-1205 of the Code of Virginia. As noted in certain plans, potential intake projects in this watershed may involve anadromous spawning species. This will be a significant resource of concern and impacts should be avoid to the greatest extent possible.

The review of water resource projects would be conducted in coordination with the Department of Environmental Quality pursuant to Section 28.2-1205.1 of the Code. As such, we would encourage any locality or authority planning an additional surface water withdrawal to contact our agency regarding permit application requirements and procedures at such time as they identify the need to proceed with a new withdrawal project.

Should you have any questions regarding this matter, please do not hesitate to call.

Sincerely,

Tony Watkinson
Chief, Habitat Management Division

TW/lra
HM