



Prince William County
Historic Preservation Division

Julie J. Metz Neabsco Creek
Wetlands Preserve

This preserve is the first wetlands bank in Northern Virginia approved by the U.S. Army Corps of Engineers. This wetlands bank provides a valuable alternative to wetlands mitigation requirements for projects permitted by the Corps in Northern Virginia. The bank is a ±227 acre parcel of land that will be preserved in perpetuity by a recorded conservation easement, containing over 217 acres of created and preserved wetlands, 10 acres of upland buffers and almost 2 miles of nature trails. Pods 1 and 2 were built in the last half of 1995, the other pods were constructed in the last half of 1997. Wetlands mitigation banks are areas of constructed, restored, or preserved wetlands consisting of quantified value units termed “credits” that can be purchased by developers in advance of anticipated wetlands losses due to construction activities.

Julie J. Metz
Neabsco Creek
Wetlands Preserve
Plant Species
Guide



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Vascular Plant Species List

Pteridophyta

FAMILY/ SCIENTIFIC NAME	COMMON NAME	SITE
POLYPODIACEAE		
<i>Polystichum acrostichoides</i>	Christmas Fern	U
<i>Onoclea sensibilis</i>	Sensitive Fern	F
<i>Thelypteris noveboracensis</i>	New York Fern	F
<i>Thelypteris palustris</i>	Marsh Fern	F
<i>Athyrium Filix-femina</i>	Lady Fern	F
OSMUNDACEAE		
<i>Osmunda regalis</i>	Royal Fern	F

Gymnospermae

FAMILY/ SCIENTIFIC NAME	COMMON NAME	SITE
PINACEAE		
<i>Pinus virginiana</i>	Virginia Pine	U
<i>Juniperus virginiana</i>	Eastern Red Cedar	U

Angiospermae (Monocotyledoneae)

FAMILY/ SCIENTIFIC NAME	COMMON NAME	SITE
ALISMACEAE		
<i>Alisma plantago-aquatica</i>	Water plantain	M
<i>Sagittaria latifolia</i>	Arrowhead	M N
ARACEAE		
<i>Peltandra virginica</i>	Arrowleaf	M N
<i>Arisaema triphyllum</i>	Jack-in-the-Pulpit	F
<i>Symplocarpus foetidus</i>	Skunk Cabbage	F
CYPERACEAE		
<i>Carex frankii</i>	Frank’s Sedge	F M
<i>Carex lurida</i>	Lurid Sedge	F M N
<i>Carex tribuloides</i>	Blunt Broom Sedge	F M
<i>Carex vulpinoidea</i>	Fox-tail Sedge	F M
<i>Cyperus echinatus</i>	Globose Flatsedge	

FAMILY/SCIENTIFIC NAME	COMMON NAME	SITE
<i>Cyperus strigosus</i>	Umbrella Sedge	F M N
<i>Eleocharis obtusa</i>	Blunt Spike Rush	M
<i>Scirpus atrovirens</i>	Dark Green Bulrush	M N
<i>Scirpus cyperinus</i>	Wool Grass	M N
DIOSCOREACEAE		
<i>Dioscorea villosa</i>	Yellow Yam	U
IRIDACEAE		
<i>Iris psuedacorus</i>	Yellow Flag	F
JUNCACEAE		
<i>Juncus canadensis</i>	Canada Rush	F M
<i>Juncus effusus</i>	Soft Rush	F M N
<i>Juncus tenuis</i>	Path Rush	F M U
LILIACEAE		
<i>Allium vineale</i>	Field Garlic	U
<i>Smilax rotundifolia</i>	Greenbrrer	F
POACEAE		
<i>Agrostis stolonifera</i>	Spreading Bentgrass	F M
<i>Andropogon virginicus</i>	Broom Sedge	U
<i>Arthraxon hispidus</i>	Joint-headed Arthraxon	F M
<i>Cinna arundinacea</i>	Stout Wood Reedgrass	F
<i>Dactylis glomerata</i>	Orchard grass	U
<i>Dichanthelium acuminatum</i>	Panic Grass	M
<i>Dichanthelium clandestinum</i>	Deer tongue	F M
<i>Digitaria sanguinalis</i>	Crabgrass	
<i>Echinochloa crusgalli</i>	Barnyard Grass	M
<i>Eragrostis spectabilis</i>	Purple Love Grass	U
<i>Eulalia viminea</i>	Nepal Microstegium	F M
<i>Festuca pratensis</i>	Meadow Fescue	M U
<i>Leersia oryzoides</i>	Rice Cut Grass	F M U
<i>Leersia virginicus</i>	White Grass	F
<i>Panicum dichotomoflorum</i>	Fall panicum	F M
<i>Panicum virgatum</i>	Switchgrass	F M N
<i>Setaria faberi</i>	Japanese Bristlegrass	
<i>Sorghastrum nutans</i>	Indian Grass	U
<i>Zizania aquatica</i>	Wild Rice	N
SPARGANIACEAE		
<i>Sparganium americanum</i>	Lesser Bur Reed	N
TYPHACEAE		
<i>Typha angustifolia</i>	Narrow-leaved Cat-tail	M N
<i>Typha latifolia</i>	Broad-leaved Cat-tail	M N

Site Key

U= Upland Area	N=Neabsco Marsh
F= Forested Wetland	M=Mitigation Area

Julie J. Metz Neabsco Creek Wetlands Preserve Plants

FAMILY/ SCIENTIFIC NAME	COMMON NAME	SITE	FAMILY/SCIENTIC NAME	COMMON NAME	SITE	FAMILY/SCIENTIC NAME	COMMON NAME	SITE	FAMILY/SCIENTIC NAME	COMMON NAME	SITE
ACERACEAE			<i>Betula nigra</i>	River Birch	F N	LAMIACEAE			<i>Rosa palustris</i>	Swamp Rose	N
<i>Acer rubrum</i>	Red Maple	F M N U	<i>Carpinus caroliniana</i>	Ironwood	F M	<i>Teucrium canadense</i>	American Germander		<i>Rubus argutus</i>	Serrate-leaf Blackberry	U
<i>Acer negundo</i>	Box Elder	F M N U	<i>Corylus americana</i>	American Hazelnut	F U	<i>Lycopus virginicus</i>	Virginia Bugleweed	F M	RUBIACEAE		
AMARANTHACEAE			CAMPANULACEAE			<i>Prunella vulgaris</i>	Selfheal		<i>Cephalanthus occidentalis</i>	Buttonbush	M N
<i>Amaranthus cannabinis</i>	Tidmarsh Amaranth	N	<i>Lobelia cardinalis</i>	Cardinal Flower	M	LAURACEAE			<i>Mitchella repens</i>	Partridge Berry	U
ANACARDIACEAE			CAPRIFOLIACEAE			<i>Sassafras albidum</i>	Sassafras	U	SALICACEAE		
<i>Toxicodendron radicans</i>	Poison Ivy	F M U	<i>Lonicera japonica</i>	Japanese honeysuckle	F U	<i>Lindera benzion</i>	Spicebush	F M N	<i>Salix nigra</i>	Black Willow	F M N
ANNONACEAE			<i>Sambucus canadensis</i>	Elderberry	F	MAGNOLIACEAE			SAURURACEAE		
<i>Asimina triloba</i>	Pawpaw	U	<i>Viburnum dentatum</i>	Arrowwood	F M N	<i>Liriodendron tulipifera</i>	Tulip Tree	F M U	<i>Saururus cernuus</i>	Lizard's Tail	F M N
APIACEAE			<i>Viburnum prunifolium</i>	Black Haw	F M	MELASTOMATACEAE			SCROPHULARIACEAE		
<i>Daucus carota</i>	Queen Anne's Lace	U	CONVOLVULACEAE			<i>Hibiscus moscheutos</i>	Marsh Mallow	M N	<i>Mimulus ringens</i>	Square-stemmed Mon-keyflower	F M N
APOCYNACEAE			<i>Ipomoea pandurata</i>	Wild Potato Vine		NYSSACEAE			<i>Lindernia anagallidea</i>	False Pimpernel	M
<i>Apocynum androsaemifolium</i>	Spreading Dogbane	M U	CORNACEAE			<i>Nyssa sylvatica</i>	Black Gum	F M	<i>Verbascum thapsus</i>	Common Mullein	U
AQUIFOLIACEAE			<i>Cornus florida</i>	Flowering Dogwood	U	NYMPHAEACEAE			SOLANACEAE		
<i>Ilex opaca</i>	American Holly	F M U	<i>Cornus amomum</i>	Silky Dogwood	F M N	<i>Nuphar lutea</i>	Spatterdock	N	<i>Solanum carolinense</i>	Horse-nettle	
<i>Ilex verticillata</i>	Winterberry	F M N	CRASSULACEAE			<i>Fraxinus pennsylvanica</i>	Green Ash	F M	ULMACEAE		
ASTERACEAE			<i>Penthorum sedoides</i>	Ditch Stonecrop	F M N	ONAGRACEAE			<i>Ulmus americana</i>	American Elm	F M
<i>Aster vimineus</i>	Small-white Aster	F M N	EBENACEAE			<i>Ludwigia alternifolia</i>	Bushy Seedbox	F M	URTICACEAE		
<i>Bidens polylepis</i>	Awnless Beggars Ticks	F M	<i>Diospyros virginiana</i>	Persimmon	F U	<i>Ludwigia decurrens</i>	Primrose Willow	M	<i>Boehmeria cylindrica</i>	False Nettle	F
<i>Bidens tripartita</i>	Three-lobed Beggars	M	ERICACEAE			<i>Ludwigia palustris</i>	Water Purslane	M	VERBENACEAE		
	Ticks		<i>Vaccinium corymbosum</i>	High-bush Blueberry	F M N	OXALIDACEAE			<i>Verbena hastata</i>	Blue Vervain	M
<i>Chicorium intybus</i>	Chicory		FABACEAE			<i>Oxalis stricta</i>	Yellow Wood Sorrel	U	VIOLACEAE		
<i>Chrysanthemum leucanthemum</i>	Ox-eye Daisy	U	<i>Cassia fasciculata</i>	Partridge Pea		PLANTACEAE			<i>Viola cucullata</i>	Marsh Blue Violet	F
<i>Conoclinium coelestinum</i>	Mistflower		<i>Cercis canadensis</i>	Redbud	U	<i>Plantanus occidentalis</i>	Sycamore	F M	VITACEAE		
<i>Erechtites hieracifolium</i>	Fireweed		<i>Desmodium glabellum</i>	Dillen's Tick Trefoil		PHYTOLACCACEAE			<i>Parthenocissus quinquefolia</i>	Virginia Creeper	U
<i>Eupatorium fistulosum</i>	Trumpetweed		<i>Lespedeza cuneata</i>	Chinese Bush Clover	U	<i>Phytolacca americana</i>	Pokeweed	U	<i>Vitis aestivalis</i>	Summer Grape	
<i>Eupatorium hyssopifolium</i>	Hyssop-leaved Boneset	M	<i>Robinia pseudo-acacia</i>	Black Locust	U	POLYGONACEAE					
<i>Eupatorium perfoliatum</i>	Thoroughwort	F M	<i>Trifolium hybridum</i>	Alsatian Clover	U	<i>Polygonum arifolium</i>	Halberd-Leaved Tear-thumb	M N			
<i>Gnaphalium obtusifolium</i>	Sweet Everlasting	U	FAGACEAE			<i>Polygonum cespitosum</i>	Cespitose Knotweed	F M U			
<i>Mikania scadens</i>	Climbing Hempweed	M N	<i>Fagus grandifolia</i>	American Beech	U	<i>Polygonum hydropiper</i>	Common Smartweed	F M N			
<i>Senecio aureus</i>	Golden Ragwort	F	<i>Quercus alba</i>	White Oak	U	<i>Polygonum hydropiperoides</i>	Mild Water Pepper	F M N			
<i>Solidago gigantea</i>	Giant Goldenrod	F	<i>Quercus falcata</i>	Southern Red Oak	U	<i>Polygonum lapathifolium</i>	Dock-leaved Smartweed	M			
<i>Solidago graminifolia</i>	Grassleaved Goldenrod	F M	<i>Quercus palustris</i>	Pin Oak	F M U	<i>Polygonum pensylvanicum</i>	Pink Knotweed	F M N			
<i>Solidago rugosa</i>	Wrinkled Goldenrod	F	<i>Quercus phellos</i>	Willow Oak	F M	<i>Polygonum perfoliatum</i>	Mile-a-Minute	F M N U			
<i>Vernonia novaboracensis</i>	New York Ironweed	F M	<i>Quercus phellos</i>	Willow Oak	F M	<i>Polygonum persicaria</i>	Lady's Thumb	F M N			
BALSAMINACEAE			<i>Quercus rubra</i>	Northern Red Oak	U	<i>Polygonum sagittatum</i>	Arrow-Leaved Tear-thumb	M N			
<i>Impatiens capensis</i>	Spotted Jewelweed	F M N	<i>Quercus stellata</i>	Post Oak	U	<i>Rumex crispus</i>	Curled Dock	M U			
BIGNONIACEAE			HAMAMELIDACEAE			PORTULACACEAE					
<i>Campsis radicans</i>	Trumpet Creeper	F M	<i>Liquidambar styraciflua</i>	Sweet Gum	F M N U	<i>Claytonia virginica</i>	Spring Beauty	F			
BETULACEAE			HYPERICACEAE			ROSACEAE					
<i>Alnus serrulata</i>	Streamside Alder	F M N	<i>Hypericum mutilum</i>	Dwarf St. Johnswort	M	<i>Prunus serotina</i>	Black Cherry	F M U			
			JUGLANDACEAE								
			<i>Juglans nigra</i>	Black Walnut	F U						
			<i>Carya glabra</i>	Pignut Hickory	U						

The Wetlands Flora Species List is intended to be a growing document that will provide you the visitor with a guide to the plant species that you are likely to encounter on your walk through the Wetlands Bank.

The collecting of seed, plants, or flowers from the Wetlands is strictly prohibited.

Compiled by: Wetland Studies and Solutions, Inc. (Ineke Dickman, Antoinette Pepin and Craig Turner)
 Taxonomy follows Harvill, Jr., A.M., Bradley, Ted R., et al 1992. Atlas of the Virginia Flora III. Virginia Botanical Associates