

APPENDIX B
SPECIES FOUND WITHIN THE WATERSHED

Table B-1. Plants observed by Versar during 1996 and October 1999 fieldwork in and around Lower Bush Creek watershed, Frederick County, Maryland. An explanation of wetland indicator statuses is located at the end of the table.

Scientific Name	Common Name	Wetland Indicator Status
Herbs		
<i>Achillia millefolium</i>	Yarrow	FACU
<i>Acorus calamus</i>	Sweetflag	OBL
<i>Agrimonia parviflora</i>	Small flowered agrimony	FAC
<i>Agrostis alba</i>	Redtop	FACW
<i>Alliaria petiolata</i>	Garlic mustard	FACU-
<i>Ambrosia artemisiifolia</i>	Common ragweed	FACU
<i>Ambrosia trifida</i>	Great ragweed	FAC
<i>Arctium minus</i>	Common burdock	NI
<i>Arisaema triphyllum</i>	Jack-in-the-pulpit	FACW-
<i>Anthemis arvensis</i>	Field chamomile	NI
<i>Asclepias incarnata</i>	Common milkweed	NI
<i>Asclepias syriaca</i>	Swamp milkweed	OBL
<i>Asplenium platyneuron</i>	Ebony spleenwort	FACU
<i>Aster pilosus</i>	Heath aster	UPL
<i>Bidens coronata</i>	Tickseed sunflower	OBL
<i>Bidens frondosa</i>	Beggar ticks	FACW
<i>Bohemeria cylindrica</i>	False nettle	FACW+
<i>Botrychium oneidense</i>	Bluntlobe grapefern	NI
<i>Campanulastrum americana</i>	Tall bellflower	FAC
<i>Carex lurida</i>	Sallow sedge	OBL
<i>Chrysanthemum leucanthemum</i>	Ox-eye daisy	NI
<i>Cichorium intybus</i>	Chickory	NI
<i>Cimicifuga racemosa</i>	Black cohosh	NI
<i>Cirsium arvense</i>	Canada thistle	FACU
<i>Cirsium discolor</i>	Field thistle	F
<i>Commelina communis</i>	Asiatic dayflower	FAC-
<i>Coronilla varia</i>	Crown vetch	NI
<i>Cuscuta gronovii</i>	Dodder	NI
<i>Cyperus erythrorhizos</i>	Red rooted sedge	FACW+
<i>Cyperus retrorsus</i>	Barren cyperus	FAC-

Table B-1. (Continued)

Scientific Name	Common Name	Wetland Indicator Status
Herbs (Continued)		
<i>Dactylis glomerata</i>	Orchard grass	FACU
<i>Daucus carota</i>	Wild carrot	NI
<i>Dianthus armeria</i>	Deptford pink	NI
<i>Dipsacus sylvestris</i>	Common teasle	NI
<i>Discorea villosa</i>	Common wild yam	FAC+
<i>Echinochloa crus-galli</i>	Barnyard grass	FACU
<i>Eleocharis obtusa</i>	Blunt spikerush	OBL
<i>Equisetum arvense</i>	Field horsetail	FAC
<i>Eragrostis pectinacea</i>	Purple love grass	FAC
<i>Eupatorium coelestinum</i>	Mistflower	FAC
<i>Eupatoruim maculatum</i>	Spotted joe pye weed	FACW
<i>Eupatorium serotinum</i>	Late flowering boneset	FAC-
<i>Eupatorium perfoliatum</i>	Thoroughwort boneset	FACW+
<i>Eupatorium rugosum</i>	White snakeroot	NI
<i>Euphorbia corollata</i>	Flowering spurge	NI
<i>Euthamia graminifolia</i>	Grass-leaved goldenrod	FAC
<i>Festuca pratensis</i>	Meadow fescue	FACU-
<i>Fragaria vesca</i>	Wood strawberry	U
<i>Geum canadense</i>	White avens	FACU
<i>Glecoma hederacea</i>	Gill-over-the-ground	FACU
<i>Hydrocotyle americana</i>	American water pennywort	OBL
<i>Hypericum mutilum</i>	Dwarf St. Johns-wort	FACW
<i>Hypericum perforatum</i>	Common St. Johns-wort	NI
<i>Impatiens duthicae</i>	Jewelweed	FACW
<i>Impatiens capensis</i>	Jewelweed	FACW
<i>Ipomoea hederifolia</i>	Ivyleaf morning glory	NI
<i>Ipomoea lacunosa</i>	Small white morning glory	FACW
<i>Juncus effusus</i>	Common rush	FACW+
<i>Juncus tenuis</i>	Slender rush	FAC-
<i>Lactuca biennis</i>	Tall blue lettuce	FACU-

Table B-1. (Continued)

Scientific Name	Common Name	Wetland Indicator Status
Herbs (Continued)		
<i>Linaria vulgaris</i>	Butter-and-eggs	NI
<i>Lobelia cardinalis</i>	Cardinal flower	FACW+
<i>Lobelia inflata</i>	Indian tobacco	FACU
<i>Lonicera japonica</i>	Japanese honeysuckle	FAC-
<i>Lonicera morrowi</i>	Morrow's honeysuckle	F-
<i>Ludwigia palustris</i>	Water purslane	OBL
<i>Lycopus virginicus</i>	Virginia bugleweed	OBL
<i>Lythrum salicaria</i>	Purple loosestrife	FACW+
<i>Maintheum racemosum</i>	False Solomon's seal	FACU-
<i>Mentha piperita</i>	Peppermint	FACW+
<i>Nepeta cataria</i>	Catnip	FACU
<i>Oenothera biennis</i>	Evening primrose	FACU-
<i>Ononclea sensibilis</i>	Sensitive fern	FACW
<i>Oxalis eurapaea</i>	Yellow wood sorrel	NI
<i>Panicum virgatum</i>	Switchgrass	FAC
<i>Parthenocissus quinquefolia</i>	Virginia creeper	FACU
<i>Phalaris arundinacea</i>	Reed canary grass	FACW+
<i>Phlox maculata</i>	Sweet william	FACW
<i>Phragmites australis</i>	Common reed	FACW
<i>Phryma leptostachya</i>	Lopseed	UPL
<i>Physalis subglabrata</i>	Smooth ground cherry	NI
<i>Phytolacca americana</i>	Pokeweed	FACU+
<i>Pilea pumila</i>	Clearweed	FACW
<i>Plantago major</i>	Common plantain	FACU
<i>Podophyllum peltatum</i>	Mayapple	FACU
<i>Polygonum convolvulus</i>	Black bind weed	FACU
<i>Polygonum cuspidatum</i>	Japanese knotweed	FACU-
<i>Polygonum pennsylvanicum</i>	Pennsylvania smartweed	FACW
<i>Polygonum persicaria</i>	Lady's thumb	FACW
<i>Polygonum virginianum</i>	Jumpseed	FAC

Table B-1. (Continued)

Scientific Name	Common Name	Wetland Indicator Status
Herbs (Continued)		
<i>Polygonum punctatum</i>	Dotted smartweed	OBL
<i>Polystichum acrostichoides</i>	Christmas fern	FACU-
<i>Potentilla simplex</i>	Common cinquefoil	FACU-
<i>Rosa multiflora</i>	Multiflora rose	FACU
<i>Rumex crispus</i>	Yellow dock	FACU
<i>Sanguinaria canadensis</i>	Bloodroot	NI
<i>Schizachyrium scoparium</i>	Little bluestem grass	FACU
<i>Scirpus atrovirens</i>	Dark green bulrush	OBL
<i>Scirpus cyperinus</i>	Woolgrass	FACW+
<i>Sicyos angulatus</i>	Bur cucumber	FACU
<i>Smilax rotundifolia</i>	Greenbriar	FAC
<i>Solanum carolinense</i>	Horse hettle	UPL
<i>Solanum dulcamara</i>	Bittersweet nightshade	FAC-
<i>Solidago rugosa</i>	Rough stemmed goldenrod	FAC
<i>Solidago canadensis</i>	Canada goldenrod	FACU
<i>Symplocarpus foetidus</i>	Skunk cabbage	OBL
<i>Thelypteris noveboracensis</i>	New York fern	FAC
<i>Tridens flavus</i>	Purple-top grass	FACU
<i>Typha latifolia</i>	Broad-leaved cattail	OBL
<i>Urtica dioica</i>	Stinging nettle	FACU
<i>Verbascum thapsus</i>	Common mullien	UPL
<i>Verbesina alternifolia</i>	Wing stem	FAC
<i>Verbena hastata</i>	Blue vervain	FACW+
<i>Veronia noveboracensis</i>	New York iron weed	FACW+
<i>Xanthium pennsylvanicum</i>	Smooth-body cocklebur	NI

Table B-1. (Continued)		
Scientific Name	Common Name	Wetland Indicator Status
Shrubs/Woody Vines		
<i>Alnus rugosa</i>	Speckled alder	FACW+
<i>Asimina triloba</i>	Pawpaw	FACU+
<i>Ligustrum vulgare</i>	Privet	FACU
<i>Lindera benzoin</i>	Spicebush	FACW-
<i>Lonicera morrowii</i>	Morrow's honeysuckle	NI
<i>Parthenocissus quinquefolia</i>	Virginia creeper	FACU
<i>Rhus copallina</i>	Shining sumac	FAC
<i>Rhus glabra</i>	Smooth sumac	NI
<i>Rhus typhina</i>	Staghorn sumac	NI
<i>Rubus phoenicolasius</i>	Wineberry	NI
<i>Toxicodendron radicans</i>	Poison ivy	FAC
<i>Viburnum acerifolium</i>	Maple-leaved viburnum	UPL
<i>Virburnum dentatum</i>	Southern arrowwood	FAC
<i>Vitis labrusca</i>	Fox grape	FACU
<i>Vitis aestivalis</i>	Summer grape (silver)	FACU
Trees		
<i>Acer negundo</i>	Boxelder	FAC+
<i>Acer rubrum</i>	Red maple	FAC
<i>Acer saccharinum</i>	Silver maple	FACW
<i>Ailanthus altissima</i>	Tree of heaven	NI
<i>Betula nigra</i>	River birch	FACW
<i>Carpinus caroliniana</i>	Musclewood	FAC
<i>Carya cordiformis</i>	Bitternut hickory	FACU+
<i>Catalpa bignonioides</i>	Common catalpa	UPL
<i>Celtis occidentalis</i>	Hackberry	FACU
<i>Cercis canadensis</i>	Redbud	FACW
<i>Cornus obliqua</i>	Silky dogwood	FACU-
<i>Fraxinus americana</i>	White ash	FACU
<i>Fraxinus americana</i> <i>var. biltmoreana</i>	Biltmore ash	NI
<i>Fraxinus pennsylvanica</i> <i>var. subintegerrima</i>	Green ash	FACW
<i>Fagus grandifolia</i>	American beech	FACU

Table B-1. (Continued)

Scientific Name	Common Name	Wetland Indicator Status
Trees (Continued)		
<i>Gleditsia triacanthos</i>	Honey locust	FAC-
<i>Juglans nigra</i>	Black walnut	FACU
<i>Liquidambar styraciflua</i>	Sweet gum	FAC
<i>Liriodendron tulipifera</i>	Tulip poplar	FACU
<i>Maclura pomifera</i>	Osage orange	UPL
<i>Morus alba</i>	White mulberry	UPL
<i>Plantanus occidentalis</i>	Sycamore	FACW-
<i>Populus deltoides</i>	Eastern cottonwood	FAC
<i>Prunus serotina</i>	Black cherry	FACU
<i>Prunus virginiana</i>	Choke cherry	FACU
<i>Quercus alba</i>	White oak	FACU-
<i>Quercu illicifolia</i>	Bear oak	U
<i>Quercus marilandica</i>	Blackjack oak	U
<i>Quercus palustris</i>	Pin oak	FACW
<i>Quercus phellos</i>	Willow oak	FAC+
<i>Quercus prinus</i>	Chestnut oak	UPL
<i>Quercus velutina</i>	Black oak	NI
<i>Robinia pseudoacacia</i>	Black locust	FACU-
<i>Salix babylonica</i>	Weeping willow	FACW-
<i>Salix discolor</i>	Pussy willow	FACW
<i>Salix fragilis</i>	Crack willow	FAC+
<i>Salix nigra</i>	Black willow	FACW+
<i>Sassafras albidum</i>	Sassafras	FACU-
<i>Tilia americana</i>	Basswood	FACU
<i>Ulmus americana</i>	American elm	FACW-
<i>Ulmus rubra</i>	Slippery elm	FAC

Table B-1. (Continued)

Scientific Name	Common Name	Wetland Indicator Status
<u>Federal definitions (USACE 1987)</u>		
OBL:	Obligate Hydrophyte. Always found in wetlands (greater than 99%).	
FACW:	Wet Facultative Hydrophyte. Usually found in wetlands (66-99% frequency).	
FAC:	Facultative Hydrophyte. Sometimes found in wetlands (34-66% frequency).	
FACU:	Dry Facultative Hydrophyte. Seldom found in wetlands (1-33% frequency).	
UPL:	Upland Plant. Not found in wetlands in this region, but associated with wetlands elsewhere.	
NI:	No indicator status has been assigned to this taxa.	
<u>Modifiers:</u>		
+	Found at wetter end of frequency spectrum within the category	
-	Found at drier end of frequency spectrum within the category	

Table B-2. Forty-six species of mammals potentially occurring in the Bush Creek watershed of Frederick County, Maryland. Six species denoted by asterisk were identified by sight or evidence of sign in a field study conducted during October, 1999 (source: Webster et al. 1985).

FAMILY Genus/Species	COMMON NAME
DIDELPHIIDAE <i>Didelphis marsupialis</i>	OPOSSUMS Opossum
SORICIDAE <i>Sorex cinereus</i> <i>Sorex longirostris</i> <i>Sorex hoyi</i> <i>Cryptotis parva</i> <i>Blarina brevicauda</i>	SHREWS Masked shrew Southeastern shrew Pygmy shrew Least shrew Northern short-tailed shrew
TALPIDAE <i>Condylura cristata</i> <i>Scalopus aquaticus</i>	MOLES Star-nosed mole Eastern mole
VESPERTILIONIDAE <i>Myotis lucifugus</i> <i>Myotis keenii</i> <i>Myotis leibii</i> <i>Lasionycteris noctivagans</i> <i>Pipistrellus subflavus</i> <i>Eptesicus fuscus</i> <i>Lasiurus borealis</i> <i>Lasiurus cinereus</i> <i>Nycticeius humeralis</i>	PLAINNOSE BATS Little brown myotis Keen's myotis Small-footed myotis Silver-haired bat Eastern pipistrelle Big brown bat Red bat Hoary bat Evening bat
LEPORIDAE <i>Sylvilagus floridanus</i>	HARES AND RABBITS Eastern cottontail
SCIURIDAE <i>Tamias striatus</i> * <i>Marmota monax</i> * <i>Sciurus carolinensis</i> * <i>Sciurus niger</i> <i>Tamiasciurus hudsonicus</i> <i>Glaucomys volans</i>	SQUIRRELS Eastern chipmunk Woodchuck Gray squirrel Fox squirrel Red squirrel Southern flying squirrel

Table B-2. (Continued)	
FAMILY Genus/Species	COMMON NAME
CASTORIDAE <i>Castor canadensis</i> *	BEAVERS Beaver
CRICETIDAE <i>Reithrodontomys humulis</i> <i>Peromyscus maniculatus</i> <i>Peromyscus leucopus</i> <i>Neotoma floridana</i> <i>Microtus pennsylvanicus</i> <i>Microtus pinetorum</i> <i>Ondatra zibethicus</i> <i>Synaptomys cooperi</i>	MICE, RATS, VOLES AND LEMMINGS Eastern harvest mouse Deer mouse White-footed mouse Eastern woodrat Meadow vole Woodland vole Muskrat Southern bog lemming
MURIDAE <i>Rattus rattus</i> <i>Rattus norvegicus</i> <i>Mus musculus</i>	OLD WORLD RATS AND MICE Black rat Norway rat House mouse
ZAPODIDAE <i>Zapus hudsonius</i>	JUMPING MICE Meadow jumping mouse
CANIDAE <i>Vulpes vulpes</i> <i>Urocyon cinereoargenteus</i> <i>Canis latrans</i>	WOLVES AND FOXES Red fox Gray fox Coyote
PROCYONIDAE <i>Procyon lotor</i> *	RACCOONS Raccoon
MUSTELIDAE <i>Mustela frenata</i> <i>Mustela vison</i> <i>Mephitis mephitis</i> <i>Lutra canadensis</i>	WEASELS, SKUNKS AND OTTERS Long-tailed weasel Mink Striped skunk River otter
FELIDAE <i>Felis rufus</i>	CATS Bobcat
CERVIDAE <i>Odocoileus virginianus</i> *	DEER White-tailed deer

Table B-3. Seventy-three species of birds identified in Frederick County during Versar field studies. Forty-seven species were identified within the Bush Creek watershed of Frederick County, Maryland during October 1999. Twenty-six species denoted by an asterisk were identified for another project in the county during August to October, 1996.

FAMILY: SUBFAMILY Species	COMMON NAME
ARDEIDAE <i>Ardea herodias</i> <i>Casmerodius albus</i> * <i>Egretta thula</i> *	HERONS, BITTERNs Great blue heron Great egret Snowy egret
ANATIDAE <i>Branta canadensis</i> <i>Anas platyrhynchos</i> *	SWANS, GEESE, DUCKS Canada goose Mallard
CATHARTIDAE <i>Coragyps atratus</i> <i>Cathartes aura</i>	AMERICAN VULTURES Black vulture Turkey vulture
ACCIPITRIDAE <i>Circus cyaneus</i> * <i>Accipiter striatus</i> <i>Buteo lineatus</i> * <i>Buteo jamaicensis</i>	HAWKS, EAGLES, VULTURES Northern harrier Sharp-shinned hawk Red-shouldered hawk Red-tailed hawk
FALCONIDAE <i>Falco sparverius</i> <i>Falco columbarius</i> *	FALCONS American kestrel Merlin
CHARADRIIDAE <i>Charadrius vociferus</i> *	PLOVERS Killdeer
SCOLOPACIDAE <i>Gallinago gallinago</i> *	WOODCOCK AND SNIPE Common snipe
COLUMBIDAE <i>Zenaida macroura</i> <i>Columba livia</i> *	PIGEONS AND DOVES Mourning dove Rock dove

Table B-3. (Continued)	
FAMILY: SUBFAMILY Species	COMMON NAME
CUCULIDAE <i>Coccyzus erythrophthalmus</i> <i>Coccyzus americanus</i>	CUCKOOS Black-billed cuckoo Yellow-billed cuckoo
APODIDAE <i>Chaetura pelagica</i>	SWIFTS Chimney swift
ALCEDINIDAE <i>Ceryle alcyon</i>	KINGFISHERS Belted kingfisher
PICIDAE <i>Melanerpes carolinus</i> <i>Sphyrapicus varius</i> <i>Picoides pubescens</i> <i>Picoides villosus</i> <i>Colaptes auratus</i> <i>Dryocopus pileatus</i>	WOODPECKERS Red-bellied woodpecker Yellow-bellied sapsucker Downy woodpecker Hairy woodpecker Common flicker Pileated woodpecker
TYRANNIDAE <i>Contopus virens*</i> <i>Sayornis phoebe</i> <i>Myiarchus crinitus*</i> <i>Tyrannus tyrannus*</i>	FLYCATCHERS Eastern wood-pewee Eastern phoebe Great crested flycatcher Eastern kingbird
HIRUNDINIDAE <i>Hirundo rustica*</i>	SWALLOWS Barn swallow
CORVIDAE <i>Cyanocitta cristata</i> <i>Corvus brachyrhynchos</i> <i>Corvus corax</i>	JAYS, CROWS Blue jay American crow Common raven
PARIDAE <i>Parus carolinensis</i> <i>Parus bicolor</i>	TITMICE Carolina chickadee Tufted titmouse

Table B-3. (Continued)	
FAMILY: SUBFAMILY Species	COMMON NAME
SITTIDAE <i>Sitta carolinensis</i>	NUTHATCHES White-breasted nuthatch
TROGLODYTIDAE <i>Thryothorus ludovicianus</i> <i>Troglodytes aedon</i>	WRENS Carolina wren House wren
MUSCICAPIDAE: SYLVIINAE <i>Regulus calendula*</i> <i>Poliophtila caerulea*</i>	GNATCATCHERS, KINGLETS Ruby-crowned kinglet Blue-gray gnatcatcher
MUSCICAPIDAE: TURDINAE <i>Sialia sialis</i> <i>Hylocichla mustelina*</i> <i>Turdus migratorius</i>	THRUSHES, BLUEBIRDS Eastern bluebird Wood thrush American robin
MIMIDAE <i>Dumetella carolinensis</i> <i>Mimus polyglottos</i> <i>Toxostoma rufum*</i>	MOCKINGBIRDS, THRASHERS Gray catbird Northern mockingbird Brown thrasher
BOMBYCILLIDAE <i>Bombycilla cedrorum</i>	WAXWINGS Cedar waxwing
STURNIDAE <i>Sturnus vulgaris</i>	STARLINGS European starling
VIREONIDAE <i>Vireo olivaceus*</i>	VIREOS Red-eyed vireo
EMBERIZIDAE: PARULINAE <i>Dendroica magnolia</i> <i>Denroica caerulescens</i> <i>Dendroica coronata</i> <i>Geothlypis trichas</i>	WOOD WARBLERS Magnolia warbler Black-throated blue warbler Yellow-rumped warbler Common yellowthroat

Table B-3. (Continued)	
FAMILY: SUBFAMILY Species	COMMON NAME
EMBERIZIDAE: THRAUPINAE <i>Piranga olivacea</i> *	TANAGERS Scarlet tanager
EMBERIZIDAE: CARDINALINAE <i>Cardinalis cardinalis</i> <i>Passerina cyanea</i> *	CARDINAL, GROSBEAKS Northern cardinal Indigo bunting
EMBERIZIDAE: EMBERIZINAE <i>Pipilo erythrophthalmus</i> <i>Spizella passerina</i> * <i>Spizella pusilla</i> <i>Ammodramus savannarum</i> * <i>Melospiza melodia</i> <i>Melospiza georgiana</i> <i>Zonotrichia albicollis</i> <i>Junco hyemalis</i>	NEW WORLD SPARROWS, BUNTINGS Rufous-sided towhee Chipping sparrow Field sparrow Grasshopper sparrow Song sparrow Swamp sparrow White-throated sparrow Dark-eyed junco
EMBERIZIDAE: ICTERINAE <i>Agelaius phoeniceus</i> * <i>Sturnella magna</i> * <i>Quiscalus quiscula</i> * <i>Molothrus ater</i>	BLACKBIRDS, ORIOLES Red-winged blackbird Eastern meadowlark Common grackle Brown-headed cowbird
FRINGILLIDAE <i>Carpodacus mexicanus</i> <i>Carduelis tristis</i>	FINCHES House finch American goldfinch
PASSERIDAE <i>Passer domesticus</i> *	OLD WORLD SPARROWS House sparrow

Table B-4. Aquatic macroinvertebrates found within Lower Bush Creek, Frederick County, Maryland

Class	Order	Family	Genus	Species	Final ID
Enopla - proboscis worms	Hoplonemertea	Tetrastemmatidae	<i>Prostoma</i>	<i>graecense</i>	<i>Prostoma graecense</i>
			<i>Prostoma</i>	<i>rubrum</i>	<i>Prostoma rubrum</i>
Turbellaria - free-living flat worms	Tricladida	Planariidae	<i>Dugesia</i>		<i>Dugesia</i>
Oligochaeta - earthworms					Oligochaeta
Hirudinea - leaches					Hirudinea
Gastropoda - snails	Basommatophora	Ancylidae	<i>Ferrissia</i>	<i>rivularis</i>	<i>Ferrissia rivularis</i>
		Physidae	<i>Physella</i>		Physidae
					Physella
Pelecypoda - bivalves	Veneroida	Corbiculidae	<i>Corbicula</i>	<i>fluminea</i>	<i>Corbicula fluminea</i>
Malacostraca - scuds and crayfish	Amphipoda	Gammaridae	<i>Gammarus</i>	<i>fasciatus</i>	<i>Gammarus fasciatus</i>
	Decapoda	Cambaridae	<i>Cambarus</i>		Cambaridae
					<i>Cambarus</i>
Hexapoda - Insects	Ephemeroptera - Mayflies	Ameletidae	<i>Ameletus</i>		<i>Ameletus</i>
		Baetidae			Baetidae
		Caenidae	<i>Acentrella</i>		<i>Acentrella</i>
			<i>Acerpenna</i>		<i>Acerpenna</i>
			<i>Baetis</i>		<i>Baetis</i>
		Ephemerellidae	<i>Caenis</i>		<i>Caenis</i>
			<i>Ephemerella</i>		Ephemerellidae
			<i>Eurylophella</i>		<i>Ephemerella</i>
			<i>Serratella</i>		<i>Eurylophella</i>
			<i>Serratella</i>		<i>Serratella</i>
		Ephemeridae	<i>Ephemerella</i>		<i>Ephemerella</i>
		Heptageniidae	<i>Ephemerella</i>		<i>Ephemerella</i>
			<i>Eurylophella</i>		<i>Eurylophella</i>
			<i>Serratella</i>		<i>Serratella</i>
			<i>Ephemerella</i>		<i>Ephemerella</i>
			<i>Ephemerella</i>		Heptageniidae
			<i>Stenacron</i>	<i>interpunctatum</i>	<i>Stenacron interpunctatum</i>
			<i>Stenonema</i>		<i>Stenonema</i>
		Isonychiidae	<i>Stenonema</i>	<i>femoratum</i>	<i>Stenonema femoratum</i>
				<i>mediopunctatum</i>	<i>Stenonema mediopunctatum</i>
	<i>modestum</i>		<i>Stenonema modestum</i>		
<i>Isonychia</i>			<i>Isonychia</i>		
Leptophlebiidae	<i>Leptophlebia</i>		Leptophlebiidae		
	<i>Habrophlebiodes</i>		<i>Habrophlebiodes</i>		
	<i>Paraleptophlebia</i>		<i>Paraleptophlebia</i>		
Potamanthidae	<i>Anthopotamus</i>		<i>Anthopotamus</i>		
Odonata - dragonflies and damselflies	Cordulegastridae	<i>Cordulegaster</i>		<i>Cordulegaster</i>	
	Gomphidae	<i>Lanthus</i>		<i>Lanthus</i>	
		<i>Stylogomphus</i>	<i>albistylus</i>	<i>Stylogomphus albistylus</i>	

Table B-4. (Continued)

Class	Order	Family	Genus	Species	Final ID
Hexapoda - Insects (Continued)					
	Plecoptera - stoneflies				
		Capniidae			Capniidae
		Leuctridae	<i>Leuctra</i>		<i>Leuctra</i>
		Perlidae			Perlidae
			<i>Acroneuria</i>		<i>Acroneuria</i>
			<i>Eccoptura</i>		<i>Eccoptura</i>
			<i>Paragnetina</i>		<i>Paragnetina</i>
			<i>Perlesta</i>		<i>Perlesta</i>
		Perlodidae			Perlodidae
	Hemiptera - true bugs				
		Corixidae			Corixidae
		Veliidae	<i>Rhagovelia</i>		<i>Rhagovelia</i>
	Megaloptera - Dobson flies and Alder flies				
		Corydalidae			
			<i>Corydalus</i>	<i>cornutus</i>	<i>Corydalus cornutus</i>
			<i>Nigronia</i>	<i>serricornis</i>	<i>Nigronia serricornis</i>
		Sialidae	<i>Sialis</i>		<i>Sialis</i>
	Trichoptera - Caddisflies				
		Glossosomatidae			Glossosomatidae
			<i>Glossosoma</i>		<i>Glossosoma</i>
		Hydropsychidae			Hydropsychidae
			<i>Cheumatopsyche</i>		<i>Cheumatopsyche</i>
			<i>Diplectrona</i>	<i>modesta</i>	<i>Diplectrona modesta</i>
			<i>Hydropsyche</i>		<i>Hydropsyche</i>
				<i>betteni</i>	<i>Hydropsyche betteni</i>
			<i>Potamyia</i>	<i>flava</i>	<i>Potamyia flava</i>
		Hydroptilidae			
			<i>Hydroptila</i>		<i>Hydroptila</i>
		Lepidostomatidae	<i>Lepidostoma</i>		<i>Lepidostoma</i>
		Leptoceridae	<i>Mystacides</i>		<i>Mystacides</i>
		Limnophilidae	<i>Limnophilia</i>		<i>Limnophilia</i>
		Philopotamidae			
			<i>Chimarra</i>		<i>Chimarra</i>
			<i>Dolophilodes</i>		<i>Dolophilodes</i>
		Polycentropodidae	<i>Polycentropus</i>		<i>Polycentropus</i>
		Rhyacophilidae	<i>Rhyacophila</i>		<i>Rhyacophila</i>
		Uenoidae	<i>Neophylax</i>		<i>Neophylax</i>
	Lepidoptera - moths				
	Coleoptera - beetles				
		Curculionidae			Curculionidae
		Dytiscidae	<i>Hydroporus</i>		<i>Hydroporus</i>
		Elmidae			Elmidae
			<i>Dubiraphia</i>		<i>Dubiraphia</i>
			<i>Optioservus</i>		<i>Optioservus</i>
			<i>Oulimnius</i>		<i>Oulimnius</i>
			<i>Stenelmis</i>		<i>Stenelmis</i>
				<i>crenata</i>	<i>Stenelmis crenata</i>
		Hydrophilidae	<i>Hydrobius</i>		<i>Hydrobius</i>
		Psephenidae	<i>Psephenus</i>	<i>herricki</i>	<i>Psephenus herricki</i>

Table B-4. (Continued)

Class	Order	Family	Genus	Species	Final ID
Hexapoda - Insects (Continued)					
	Diptera - flies				
		Ceratopogonidae	<i>Bezzia</i>		<i>Bezzia</i>
			<i>Ceratopogon</i>		<i>Ceratopogon</i>
		Chironomidae			Chironomidae
		Dixidae			Dixidae
		Empididae	<i>Hemerodromia</i>		<i>Hemerodromia</i>
		Simuliidae	<i>Simulium</i>		<i>Simulium</i>
		Tabanidae	<i>Chrysops</i>		<i>Chrysops</i>
		Tipulidae	<i>Antocha</i>		<i>Antocha</i>
			<i>Dicranota</i>		<i>Dicranota</i>
			<i>Hexatoma</i>		<i>Hexatoma</i>
			<i>Pilaria</i>		<i>Pilaria</i>
			<i>Pseudolimnophila</i>		<i>Pseudolimnophila</i>
			<i>Tipula</i>		<i>Tipula</i>

Table B-5. Fish found within Lower Bush Creek, Frederick County, Maryland

Scientific Name	Common Name
<p>Cyprinidae <i>Rhinichthys atratulus</i> <i>Pimephales notatus</i> <i>Campostoma anomalum</i> <i>Semotilus atromaculatus</i> <i>Semotilus corporalis</i> <i>Rhinichthys cataractae</i> <i>Nocomis micropogon</i> <i>Notropis buccatus</i> <i>Cyprinella spiloptera</i></p>	<p>Minnows Blacknose dace Bluntnose minnow Central stoneroller Creek chub Fallfish Longnose dace River chub Silverjaw minnow Spotfin shiner</p>
<p>Catostomidae <i>Catostomus commersoni</i></p>	<p>Suckers White sucker</p>
<p>Cottidae <i>Cottus bairdi</i> <i>Cottus girardi</i></p>	<p>Sculpins Mottled sculpin Potomac sculpin</p>
<p>Centrarchidae <i>Lepomis cyanellus</i> <i>Lepomis auritus</i> <i>Ambloplites rupestris</i> <i>Micropterus dolomieu</i></p>	<p>Sunfishes Green sunfish Redbreast sunfish Rock bass Smallmouth bass</p>
<p>Percidae <i>Etheostoma flabellare</i> <i>Etheostoma blennioides</i> <i>Etheostoma olmstedi</i></p>	<p>Perches Fantail darter Greenside darter Tessellated darter</p>

