
APPENDIX H – ENVIRONMENTAL AND NATURAL RESOURCES

HISTORIC VEGETATION

The following sections will discuss historic vegetation as well as current rare or endangered plants in the watershed.

During the earliest land surveys, over 90 percent of the streams in the Darby Creek Watershed were covered by mixed oak and oak-sugar maple forests (ODNR, 1992; 63).

Mixed Oak Forests

The most common forest type in this category were white oak-black oak-hickory and white oak. The first surveyors used the term “black oak” which referred to red oak and perhaps scarlet oak. The term “hickory” included the shagbark, bitternut, pignut, and mokernut hickories. In addition a white oak-black oak-chestnut type occurred in the low-lime glaciated plateau, mainly on hilltops, and down south-facing slopes. During the early 1900s the chestnut disappeared from Ohio woodlots (ODNR, 1992; 63).

Oak-Sugar Maple Forests

These forests largely consisted of white oak, red oak, black walnut, and black maple. Also included were sugar maple, white ash, red elm, basswood, bitternut and shagbark hickories. These forests usually lacked beech, chestnut, red maple, and tuliptree (ODNR, 1992; 63-64)

Beech Forests

The forests in this category consisted of beech, sugar maple, red oak, white ash and white oak, with scattered individuals of basswood, shagbark hickory, black cherry, and a few cucumbertree. On poorly drained flatlands the most familiar types were beech-sugar maple and “wet beech” (ODNR, 1992; 64).

Elm-Ash Swamp Forests

Dominant trees in these forest were white elm, black and/or white ash, silver and/or red maple. The extremely wet areas contained cottonwood and/or sycamore. Better drained areas contained bur oak-big shellbark hickory and red oak-basswood (ODNR, 1992; 64)

Prairies

The flat plains of the Darby Watershed greeted pioneers with large expanses of grasses dominated by big bluestem, little bluestem, switch grass or Indian grass. The large expanse of grasses contained scattered groves of oaks and hickories (ODNR, 1992; 64).

Figure H1: Natural Heritage Database: Vegetation (2004)				
<i>Common Name</i>	<i>Scientific Name</i>	<i>Last Observed</i>	<i>Number of Observances</i>	<i>State Status</i>
Leafy Blue Flag	<i>Iris brevicaulis</i>	1998-06-02	1	E
Smooth Rose	<i>Rosa blanda</i>	1997-06-09	2	E
Three-flowered Melic	<i>Melica nitens</i>	1999-06-23	1	E
Two-leaved Water-milfoil	<i>Myriophyllum heterophyllum</i>	1973-10	1	E
Wild Pea	<i>Lathyrus venosus</i>	1996-07-08	1	E
Angle-pod	<i>Matelea obliqua</i>	1979-07	1	T
Bicknell's Sedge	<i>Carex bicknellii</i>	1993-06	1	T
Drummond's Aster	<i>Aster drummondii</i>	1993-09	1	T
Glomerate Dodder	<i>Cuscuta glomerata</i>	1991-07	1	T
Lake Cress	<i>Armoracia lacustris</i>	1997-06-12	1	T
Prairie Dropseed	<i>Sporobolus heterolepis</i>	1982-10	2	T
Reflexed Sedge	<i>Carex retroflexa</i> var. <i>retroflexa</i>	1986-05	1	T
Satin Brome	<i>Bromus nottowanus</i>	2003-07-25	2	T
Showy Lady's-slipper	<i>Cypripedium reginae</i>	1976-08	1	T
Southern Hairy Rock Cress	<i>Arabis hirsuta</i> var. <i>adpressipilis</i>	1959-06	1	T
Yellowish Gentian	<i>Gentiana alba</i>	1993-09	1	T
Arbor Vitae	<i>Thuja occidentalis</i>	1968-04	1	P
Flat-stemmed Pondweed	<i>Potamogeton zosteriformis</i>	1970-10	1	P
Green Milkweed	<i>Asclepias viridiflora</i>	1979-07	1	P
Pigeon Grape	<i>Vitis cinerea</i>	1998-06-02	1	P
Prairie False Indigo	<i>Baptisia lactea</i>	1992-07	2	P
Round-leaved Dogwood	<i>Cornus rugosa</i>	1991-05	2	P
Royal Catchfly	<i>Silene regia</i>	2000-07-13	4	P
Scaly Blazing-star	<i>Liatris squarrosa</i>	1992-08	2	P
Spider Milkweed	<i>Asclepias viridis</i>	1970-06	1	P
Spotted Coral-root	<i>Corallorhiza maculata</i>	1959-08	1	P
Tall Larkspur	<i>Delphinium exaltatum</i>	1992-08	3	P
Weak Spear Grass	<i>Poa languida</i>	1991-05	2	P
Bur oak savanna	Plant Communities (Non-Sci)	1980-09-30	1	
Big bluestem prairie	Plant Communities (Non-Sci)	1981-08	2	
Total 30 Species			43 Observations	E:5, T:11, P:12 Total:28

Source: ODNR, 2004. *Heritage Database*.

Figure H2 : Ohio Protection Status Criteria for Vegetation		
Protection Status	Abbreviation	Designation Criteria
Endangered	E	<ol style="list-style-type: none"> 1. Species is federally endangered and exists in Ohio 2. Natural Populations in Ohio are limited to three or fewer occurrences 3. Population Distribution is limited to a geographic area of three U.S.G.S. 7.5 quadrangle maps or smaller. 4. The number of plants in all natural populations is limited to one hundred or fewer individual, physically unconnected plants.
Threatened	T	<ol style="list-style-type: none"> 1. Species is federally threatened, exists in Ohio, but not on the State endangered list. 2. Natural populations are limited to less than four or no more than ten occurrences. 3. Population distribution is limited to a geographic area delineated by no less than four or more than seven U.S.G.S 7.5 minute quadrangle maps.
Potentially Threatened	P	<ol style="list-style-type: none"> 1. Species exists in Ohio and is not listed in the above but is a proposed federal endangered or threatened species or is listed in the <i>Federal Register</i> as under review. 2. Natural populations are imperiled to the extent that they could conceivably become a threatened species in the foreseeable future. 3. Natural Populations are believed to be declining in abundance or vitality at a significant rate throughout large portions or all of the state.

Figure H3: Mammals Recorded within the Darby Creek Corridor at Battelle-Darby Metropark (1992)					
	Common Name	Scientific Name		Common Name	Scientific Name
1	Virginia opossum	<i>Didelphis virginiana</i>	18	Striped skunk	<i>Mephitis mephitis</i>
2	Northern short-tailed shrew	<i>Blarina brevicauda</i>	19	White-tailed deer	<i>Odocoileus virginianus</i>
3	Masked shrew	<i>Sorex cinereus</i>	20	Southern flying squirrel	<i>Glaucomys volans</i>
4	Star-nosed mole	<i>Condylura cristata</i>	21	Woodchuck	<i>Marmota monax</i>
5	Hairy-tailed mole	<i>Parascalops breweri</i>	22	Gray squirrel	<i>Sciurus carolinensis</i>
6	Eastern mole	<i>Scalopus aquaticus</i>	23	Fox squirrel	<i>Sciurus niger</i>
7	Big brown bat	<i>Eptesicus fuscus</i>	24	Thirteen-lined ground squirrel	<i>Spermophilus tridecemlineatus</i>
8	Red bat	<i>Lasiurus borealis</i>	25	Eastern Chipmunk	<i>Tamias striatus</i>
9	Little brown bat	<i>Myotis lucifugus</i>	26	Red squirrel	<i>Tamiasciurus hudsonicus</i>
10	Eastern pipistrelle	<i>Pipistrellus subflavus</i>	27	Beaver	<i>Castor canadensis</i>
11	Coyote	<i>Canis latrans</i>	28	White-footed mouse	<i>Peromyscus leucopus</i>
12	Gray fox	<i>Urocyon cinereoargenteus</i>	29	Meadow vole	<i>Microtus pennsylvanicus</i>
13	Red fox	<i>Vulpes vulpes</i>	30	Muskrat	<i>Ondatra Zibethicus</i>
14	Raccoon	<i>Procyon lotor</i>	31	House mouse	<i>Mus musculus</i>
15	Long-tailed weasel	<i>Mustela frenata</i>	32	Norway rat	<i>Rattus norvegicus</i>
16	Least weasel	<i>Mustela nivalis</i>	33	Meadow jumping mouse	<i>Zapus hudsonius</i>
17	Mink	<i>Mustela vison</i>	34	Eastern cottontail	<i>Sylvilagus floridanus</i>

Source: ODNR, 1992; 50

Figure H4: Reptiles and Amphibians Recorded within the Darby Creek Corridor (1992)

Common Name	Scientific Name	Common Name	Scientific Name
1 Common Musk Turtle	<i>sternotherus odoratus</i>	17 Mudpuppy	<i>Necturus maculosus</i>
2 Snapping turtle	<i>Chelydra serpentina</i>	18 Spotted salamander	<i>Ambystoma maculatum</i>
3 Painted turtle	<i>Chrysemys picta</i>	19 Small-mouthed salamander	<i>Ambystoma texanum</i>
4 Common map turtle	<i>Graptemys geographica</i>	20 Tiger salamander	<i>Ambystoma tigrinum</i>
5 Common slider	<i>Trachemys scripta</i>	21 Two-lined salamander	<i>Eurycea bislineata</i>
6 Common box turtle	<i>Terrapene carolina</i>	22 Eastern red-backed salamander	<i>Plethodon cinereus</i>
7 Spiny softshell turtle	<i>Trionyx spiniferus</i>	23 American toad	<i>Bufo americanus</i>
8 Black racer	<i>Coluber constrictor</i>	24 Woodhouse's toad	<i>Bufo woodhousii</i>
9 Black rat snake	<i>Elaphe obsoleta</i>	25 Northern cricket frog	<i>Acris crepitans</i>
10 Eastern hog-nosed snake	<i>Heterodon platyrhinus</i>	26 Spring peeper	<i>Hyla crucifer</i>
11 Milk snake	<i>Lampropeltis triangulum</i>	27 Gray treefrog	<i>Hyla versicolor</i>
12 Northern water snake	<i>Nerodia sipedon</i>	28 Striped chorus frog	<i>Pseudacris triseriata</i>
13 Smooth green snake	<i>Opheodrys vernalis</i>	29 Bullfrog	<i>Rana catesbeiana</i>
14 Queen snake	<i>Regina septemvittata</i>	30 Green frog	<i>Rana clamitans</i>
15 DeKay's brown snake	<i>Storeria dekayi</i>	31 Pickerel frog	<i>Rana palustris</i>
16 Common garter snake	<i>Thamnophis sirtalis</i>	32 Northern leopard frog	<i>Rana pipiens</i>

Source: ODNR, 1992; 56

Figure H5: Fish Species Collected by Ohio EPA from 1979 to 2000

Common Name	Scientific Name	Common Name	Scientific Name
Bass, Largemouth	<i>Micropterus salmoides</i>	Herring, Skipjack	<i>Alosa chrysochloris</i>
Bass, Rock	<i>Ambloplites rupestris</i>	Killifish, Eastern Banded	<i>Fundulus diaphanus diaphanus</i>
Bass, Smallmouth	<i>Micropterus dolomieu</i>	Lamprey, Amer. Brook	<i>Lampetra appendix</i>
Bass, Spotted	<i>Micropterus punctulatus</i>	Lamprey, Least Brook	<i>Lampetra aepyptera</i>
Bass, White	<i>Morone chrysops</i>	Lamprey, North Brook	<i>Ichthyomyzon fossor</i>
Buffalo, Bigmouth	<i>Ictiobus cyprinellus</i>	Lamprey, Silver	<i>Ichthyomyzon unicupis</i>
Buffalo, Black	<i>Ictiobus niger</i>	Logperch	<i>Percina caprodes</i>
Buffalo, Smallmouth	<i>Ictiobus bubalus</i>	Madtom, Brindled	<i>Noturus miurus</i>
Bullhead, Black	<i>Ictalurus melas</i>	Madtom, Northern	<i>Noturus stigmosus</i>
Bullhead, Brown	<i>Ictalurus nebulosus</i>	Madtom, Stonecat	<i>Noturus flavus</i>
Bullhead, Yellow	<i>Ictalurus natalis</i>	Madtom, Tadpole	<i>Noturus gyrinus</i>
Carp, Common	<i>Cyprinus carpio</i>	Minnow, Bluntnose	<i>Pimephales notatus</i>
Carp, Grass	<i>Ctenopharyngodon idella</i>	Minnow, Bullhead	<i>Pimephales vigilax</i>
Carp sucker, Highfin	<i>Carpoides velifer</i>	Minnow, Fathead	<i>Pimephales promelas</i>

Carp sucker, Quillback	<i>Carpiodes cyprinus</i>	Minnow, Silverjaw	<i>Ericymba buccata</i>
Carp sucker, River	<i>Carpiodes carpio</i>	Minnow, Suckermouth	<i>Phenacobius mirabilis</i>
Catfish, Channel	<i>Ictalurus punctatus</i>	Mooneye	<i>Hiodon tergisus</i>
Catfish, Flathead	<i>Pulodictis olivaris</i>	Perch, Yellow	<i>Perca flavescens</i>
Central Mudminnow	<i>Umbra limi</i>	Redhorse, Black	<i>Moxostoma duquesnei</i>
Chub, Bigeye	<i>Hybopsis amblops</i>	Redhorse, Golden	<i>Moxostoma erythrurum</i>
Chub, Creek	<i>Semotilus atromaculatus</i>	Redhorse, River	<i>Moxostoma carinatum</i>
Chub, Gravel	<i>Erimystax x-punctatus</i>	Redhorse, Shorthead	<i>Moxostoma macrolepidotum</i>
Chub, Hornyhead	<i>Nocomis biguttata</i>	Redhorse, Silver	<i>Moxostoma anisurum</i>
Chub, Silver	<i>Hybopsis storeriana</i>	Sauger	<i>Stizostedion canadense</i>
Chub, Streamline	<i>Hybopsis dissimilis</i>	Sculpin, Mottled	<i>Cottus bairdi</i>
Chubsucker, Creek	<i>Erimyzon oblongus</i>	Shiner, Emerald	<i>Notropis atherinoides</i>
Crappie, Black	<i>Pomoxis nigromaculatus</i>	Shiner, Golden	<i>Notemigonus crysoleucas</i>
Crappie, White	<i>Pomoxis annularis</i>	Shiner, Mimic	<i>Notropis volucellus</i>
Dace, Blacknose	<i>Rhinichthys atratulus</i>	Shiner, Redfin	<i>Notropis umbratilis</i>
Dace, South. Redbelly	<i>Phoxinus erythrogaster</i>	Shiner, Rosefin	<i>Notropis ardens</i>
Darter,	<i>Etheostoma spectabile</i>	Shiner, Rosyface	<i>Notropis rubellus</i>
Darter, Banded	<i>Etheostoma zonale</i>	Shiner, Sand	<i>Notropis stramineus</i>
Darter, Blackside	<i>Percina maculata</i>	Shiner, Silver	<i>Notropis photogenis</i>
Darter, Bluebreast	<i>Etheostoma camurum</i>	Shiner, Spotfin	<i>Notropis spilopterus</i>
Darter, Dusky	<i>Percina sciera</i>	Shiner, Steelcolor	<i>Notropis whipplei</i>
Darter, Fantail	<i>Etheostoma flabellare</i>	Shiner, Striped	<i>Notropis chrysocephalus</i>
Darter, Greenside	<i>Etheostoma blennioides</i>	Silverside, Brook	<i>Labidesthese sicculus</i>
Darter, Johnny	<i>Etheostoma nigrum</i>	Stoneroller, Central	<i>Campostoma anomalum</i>
Darter, Least	<i>Etheostoma microperca</i>	Sucker, Northern Hog	<i>Hypenelium nigricans</i>
Darter, Rainbow	<i>Etheostoma caeruleum</i>	Sucker, Spotted	<i>Minytrema melanops</i>
Darter, Slenderhead	<i>Percina phoxocephala</i>	Sucker, White	<i>Catostomus commersoni</i>
Darter, Spotted	<i>Etheostoma maculatum</i>	Sunfish, Bluegill	<i>Lepomis macrochirus</i>
Darter, Tippecanoe	<i>Etheostoma tippecanoe</i>	Sunfish, Green	<i>Lepomis cyanellus</i>
Darter, Variegate	<i>Etheostoma variatum</i>	Sunfish, Longear	<i>Lepomis megalotis</i>
Drum, Freshwater	<i>Aplodinotus grunniens</i>	Sunfish, Orangespotted	<i>Lepomis humilis</i>
Gar, Longnose	<i>Lepisosteus osseus</i>	Sunfish, Pumpkinseed	<i>Lepomis gibbosus</i>
Gizzard Shad	<i>Dorosoma cepedianum</i>	Topminnow, Blackstripe	<i>Fundulus notatus</i>
Goldfish	<i>Carassius auratus</i>	Trout-perch	<i>Percopsis omiscomaycus</i>
Grass Pickerel	<i>Esox americanus</i>	Walleye	<i>Stizostedion vitreum</i>

Figure H6: Birds Documented at Battelle-Darby Metropark (1987-2003)

	<i>Common Name</i>	<i>Scientific Name</i>		<i>Common Name</i>	<i>Scientific Name</i>
	Bittern, American	<i>Botaurus lentiginosus</i>		Sandpiper, Spotted	<i>Actitis macularia</i>
*	Blackbird, Red-winged	<i>Agelaius phoeniceus</i>		Sandpiper, Upland	<i>Bartramia longicauda</i>
	Blackbird, Rusty	<i>Euphagus carolinus</i>		Sapsucker, Yellow-bellied	<i>Sphyrapicus varius</i>
*	Bluebird, Eastern	<i>Sialia sialis</i>		Siskin, Pine	<i>Carduelis pinus</i>
	Bobolink	<i>Dolichonyx oryzivorus</i>		Snipe, Common	<i>Gallinago gallinago</i>
	Bobwhite, Northern	<i>Colinus virginianus</i>		Sora	<i>Porzana carolina</i>
*	Bunting, Indigo	<i>Passerina cyanea</i>		Sparrow, American Tree	<i>Spizella arborea</i>
	Bunting, Snow	<i>Plectrophenax nivalis</i>		Sparrow, Chipping	<i>Spizella passerina</i>
*	Cardinal, Northern	<i>Cardinalis cardinalis</i>		Sparrow, Clay-colored	<i>Spizella pallida</i>
	Catbird, Gray	<i>Dumetella carolinensis</i>	*	Sparrow, Field	<i>Spizella pusilla</i>
	Chat, Yellow-breasted	<i>Icteria virens</i>		Sparrow, Fox	<i>Passerella iliaca</i>
	Chickadee, Black-capped	<i>Parus atricapillus</i>	*	Sparrow, Grasshopper	<i>Ammodramus savannarum</i>
*	Chickadee, Carolina	<i>Parus carolinensis</i>		Sparrow, Henslow's	<i>Ammodramus henslowii</i>
*	Cowbird, Brown-headed	<i>Molothrus ater</i>		Sparrow, House	<i>Passer domesticus</i>
	Crane, Sandhill	<i>Grus canadensis</i>		Sparrow, Lincoln's	<i>Melospiza lincolni</i>
*	Crow, American	<i>Corvus brachyrhynchos</i>	*	Sparrow, Savannah	<i>Passerculus sandwichensis</i>
	Cuckoo, Black-billed	<i>Coccyzus erythrophthalmus</i>	*	Sparrow, Song	<i>Melospiza melodia</i>
*	Cuckoo, Yellow-billed	<i>Coccyzus americanus</i>		Sparrow, Swamp	<i>Melospiza georgiana</i>
*	Dickcissel	<i>Spiza americana</i>	*	Sparrow, Vesper	<i>Poocetes gramineus</i>
*	Dove, Mourning	<i>Zenaida macroura</i>		Sparrow, White-crowned	<i>Zonotrichia leucophrys</i>
	Dove, Rock	<i>Columba livia</i>		Sparrow, White-throated	<i>Zonotrichia albicollis</i>
	Duck, American Black	<i>Anas rubripes</i>	*	Starling, European	<i>Sturnus vulgaris</i>
	Duck, Wood	<i>Aix sponsa</i>		Swallow, Bank	<i>Riparia riparia</i>
	Eagle, Bald	<i>Haliaeetus leucocephalus</i>	*	Swallow, Barn	<i>Hirundo rustica</i>
	Egret, Great	<i>Casmerodius albus</i>		Swallow, Cliff	<i>Hirundo pyrrhonota</i>
	Falcon, Peregrine	<i>Falco peregrinus</i>	*	Swallow, Northern Rough-winged	<i>Stelgidopteryx serripennis</i>
	Finch, House	<i>Carpodacus mexicanus</i>	*	Swallow, Tree	<i>Tachycineta bicolor</i>
	Finch, Purple	<i>Carpodacus purpureus</i>		Swan, Mute	<i>Cygnus olor</i>
*	Flicker, Northern	<i>Colaptes auratus</i>		Swift, Chimney	<i>Chaetura pelagica</i>
*	Flycatcher, Acadian	<i>Empidonax vireescens</i>	*	Tanager, Scarlet	<i>Piranga olivacea</i>
*	Flycatcher, Great Crested	<i>Myiarchus crinitus</i>		Tanager, Summer	<i>Piranga rubra</i>
	Flycatcher, Least	<i>Empidonax minimus</i>		Teal, Blue-winged	<i>Anas discors</i>
	Flycatcher, Olive-sided	<i>Contopus borealis</i>		Thrasher, Brown	<i>Toxostoma longirostre</i>
*	Flycatcher, Willow	<i>Empidonax traillii</i>		Thrush, Gray-cheeked	<i>Catharus minimus</i>
	Flycatcher, Yellow-bellied	<i>Empidonax flaviventris</i>		Thrush, Hermit	<i>Catharus guttatus</i>
*	Gnatcatcher, Blue-gray	<i>Poliophtila caerulea</i>		Thrush, Swainson's	<i>Catharus ustulatus</i>
*	Goldfinch, American	<i>Carduelis tristis</i>	*	Thrush, Wood	<i>Hylocichla mustelina</i>

*	Goose, Canada	<i>Branta canadensis</i>	Thrush, Tufted	<i>Parus bicolor</i>	
	Goose, Snow	<i>Chen caerulescens</i>	*	Towhee, Rufous-sided	<i>Pipilo erythrophthalmus</i>
*	Grackle, Common	<i>Quiscalus quiscula</i>		Turkey, Wild	<i>Meleagris gallopavo</i>
	Grosbeak, Evening	<i>Coccothraustes vespertinus</i>		Veery	<i>Catharus fuscenscens</i>
*	Grosbeak, Rose-breasted	<i>Pheucticus ludovicianus</i>		Vireo, Philidelphia	<i>Vireo philadelphicus</i>
	Gull, Ring-billed	<i>Larus delawarensis</i>	*	Vireo, Red-eyed	<i>Vireo olivaceus</i>
	Harrier, Northern	<i>Circus cyaneus</i>		Vireo, Solitary	<i>Vireo solitarius</i>
	Hawk, Broad-winged	<i>Buteo platypterus</i>	*	Vireo, Warbling	<i>Vireo gilvus</i>
*	Hawk, Cooper's	<i>Accipiter cooperii</i>		Vireo, White-eyed	<i>Vireo griseus</i>
	Hawk, Red-shouldered	<i>Buteo lineatus</i>	*	Vireo, Yellow-throated	<i>Vireo flavifrons</i>
	Hawk, Red-tailed	<i>Buteo jamaicensis</i>	*	Vulture, Turkey	<i>Cathartes aura</i>
	Hawk, Rough-legged	<i>Buteo lagopus</i>		Warbler, Bay-breasted	<i>Dendroica castanea</i>
	Hawk, Sharp-shinned	<i>Accipiter striatus</i>		Warbler, Black-and-white	<i>Mniotilta varia</i>
*	Heron, Great blue	<i>Ardea herodias</i>		Warbler, Black-throated Blue	<i>Dendroica caerulescens</i>
	Heron, Green-backed	<i>Butorides striatus</i>		Warbler, Black-throated Green	<i>Dendroica virens</i>
*	Hummingbird, Ruby-throated	<i>Archilochus colubris</i>		Warbler, Blackburnian	<i>Dendroica fusca</i>
*	Jay, Blue	<i>Cyanocitta cristata</i>		Warbler, Blackpoll	<i>Dendroica striata</i>
	Junco, Dark-eyed	<i>Junco hyemalis</i>		Warbler, Blue-winged	<i>Vermivora pinus</i>
	Kestrel, American	<i>Falco sparverius</i>		Warbler, Canada	<i>Wilsonia canadensis</i>
	Killdeer	<i>Charadrius vociferus</i>		Warbler, Cape May	<i>Dendroica tigrina</i>
*	Kingbird, Eastern	<i>Tyrannus tyrannus</i>		Warbler, Cerulean	<i>Dendroica cerulea</i>
*	Kingfisher, Belted	<i>Ceryle alcyon</i>		Warbler, Chestnut-sided	<i>Dendroica pensylvanica</i>
	Kinglet, Golden-crowned	<i>Regulus satrapa</i>		Warbler, Connecticut	<i>Oporornis agilis</i>
	Kinglet, Ruby-crowned	<i>Regulus calendula</i>		Warbler, Hooded	<i>Wilsonia citrina</i>
	Lark, Horned	<i>Eremophila alpestris</i>	*	Warbler, Kentucky	<i>Oporornis formosus</i>
*	Mallard	<i>Anas platyrhynchos</i>		Warbler, Magnolia	<i>Dendroica magnolia</i>
*	Martin, Purple	<i>Progne subis</i>		Warbler, Mourning	<i>Oporornis philadelphia</i>
*	Meadowlark, Eastern	<i>Sturnella magna</i>		Warbler, Nashville	<i>Vermivora ruficapilla</i>
	Meadowlark, Western	<i>Sturnella neglecta</i>		Warbler, Orange-crowned	<i>Vermivora celata</i>
	Merganser, Hooded	<i>Lophodytes cucullatus</i>		Warbler, Plum	<i>Dendroica palmarum</i>
	Mockingbird, Northern	<i>Mimus polyglottos</i>		Warbler, Pine	<i>Dendroica pinus</i>
	Moorhen, Common	<i>Gallinula chloropus</i>		Warbler, Prairie	<i>Dendroica discolor</i>
	Night-heron, Yellow-crowned	<i>Nyctanassa violacea</i>		Warbler, Prothonotary	<i>Protonotaria citrea</i>
	Nighthawk, Common	<i>Chordeiles minor</i>		Warbler, Tennessee	<i>Vermivora peregrina</i>
	Nuthatch, Red-breasted	<i>Sitta canadensis</i>		Warbler, Wilson's	<i>Wilsonia pusilla</i>
*	Nuthatch, White-breasted	<i>Sitta carolinensis</i>		Warbler, Worm-eating	<i>Hemitheros vermivorus</i>
*	Oriole, Northern	<i>Icterus galbula</i>	*	Warbler, Yellow	<i>Dendroica petechia</i>
	Oriole, Orchard	<i>Icterus spurius</i>		Warbler, Yellow-rumped	<i>Dendroica coronata</i>
	Osprey	<i>Pandion haliaetus</i>	*	Warbler, Yellow-throated	<i>Dendroica dominica</i>
*	Ovenbird	<i>Seiurus aurocapillus</i>	*	Waterthrush, Louisiana	<i>Seiurus motacilla</i>
*	Owl, Barred	<i>Strix varia</i>		Waterthrush, Northern	<i>Seiurus noveboracensis</i>
	Owl, Eastern Screech	<i>Otus asio</i>	*	Waxwing, Cedar	<i>Bombycilla cedrorum</i>

	Owl, Great Horned	<i>Bubo virginianus</i>		Whip-poor-will	<i>Caprimulgus vociferus</i>
	Owl, Long-eared	<i>Asio otus</i>	*	Wood-pewee, Eastern	<i>Contopus virens</i>
	Owl, Short-eared	<i>Asio flammeus</i>		Woodcock, American	<i>Scolopax minor</i>
	Owl, Snowy	<i>Nyctea scandiaca</i>	*	Woodpecker, Downy	<i>Picoides pubescens</i>
*	Parula, Northern	<i>Parula americana</i>	*	Woodpecker, Hairy	<i>Picoides villosus</i>
	Pheasant, Ring-necked	<i>Phasianus colchicus</i>		Woodpecker, Pileated	<i>Dryocopus pileatus</i>
	Pheobe, Eastern	<i>Sayornis phoebe</i>	*	Woodpecker, Red-bellied	<i>Melanerpes carolinus</i>
	Pintail, Northern	<i>Anas acuta</i>		Woodpecker, Red-headed	<i>Melanerpes erythrocephalus</i>
	Pipit, American	<i>Anthus rubescens</i>	*	Wren, Carolina	<i>Thryothorus ludovicianus</i>
	Plover, Black-bellied	<i>Pluvialis squatarola</i>	*	Wren, House	<i>Troglodytes aedon</i>
	Rail, Virginia	<i>Rallus limicola</i>		Wren, Sedge	<i>Cistothorus platensis</i>
	Redpoll, Common	<i>Carduelis flammea</i>		Wren, Winter	<i>Troglodytes troglodytes</i>
	Redstart, American	<i>Setophaga ruticilla</i>		Yellowlegs, Greater	<i>Tringa melanoleuca</i>
*	Robin, American	<i>Turdus migratorius</i>		Yellowlegs, Lesser	<i>Tringa flavipes</i>
	Sandpiper, Solitary	<i>Tringa solitaria</i>	*	Yellowthroat, Common	<i>Geothlypis trichas</i>
* Denotes a nesting species					
Source: Surveys in early June by Metroparks since 1997 and Dan Rice (ODNR) since 1987					