

## APPENDIX D: Other Wildlife of Swan Lake Park

The following summary of terrestrial wildlife in Swan Lake Park was compiled from the photographic records of Don and Cindy Fowler, Kathleen Elizabeth Noel and Sheniz Janmohamed, members of Friends of Swan Lake Park

### a) Mammals, Reptiles, Turtles, and Amphibians

It is worth noting that both native species of turtles, the Common Snapping Turtle (*Chelydra serpentina*) and Midland Painted Turtle (*Chrysemys picta*) that live and nest at the park are classified as Special Concern under the federal government's SARA Schedule 1. The Woodland Vole (*Microtus pinetorum*), which has also been recorded at the park is also classified as Special Concern under the federal government's SARA Schedule 1.

#### Mammals

1. North American Beaver
2. Eastern Coyote
3. Eastern Cottontail Rabbit
4. American Mink
5. Common Raccoon
6. American Red Squirrel
7. Eastern Meadow Vole
8. Eastern Deer Mouse
9. Eastern Chipmunk
10. Grey Squirrel
11. Muskrat
12. Red Fox
13. Striped Skunk
14. Woodland Vole

#### Turtles

##### Native Species

1. Midland Painted Turtle
2. Common Snapping Turtle

##### Invasive Species

1. Red-eared Slider

#### Other Reptiles

1. DeKay's Brownsnake
2. Eastern Gartersnake

#### Amphibians

1. American Bullfrog
2. Green Frog
3. Northern Leopard Frog
4. American Toad

### b) Arachnids:

1. Mackenzie's Thin-legged Wolf Spider (*Pardosa mackenziana*)
2. Dark Fishing Spider (*Dolomedes tenebrosus*)
3. European Harvestman (*Phalangium opilio*)
4. Shamrock Orb Weaver (*Arneus trifolium*)
5. Arrow-shaped Micrathena (*Micrathena sagittata*)
6. Flower Crab Spider (*Misumena vatia*)

### c) Insects

Appendix F includes a copy of the Benthic Invertebrate Monitoring Report undertaken by Chris Reeves for FOSLP which identified additional species. It is worth noting that the Monarch Butterfly (*Danaus plexippus*) is listed as Endangered and the American Bumblebee (*Bombus pensylvanicus*) is listed as Special Concern under the federal government's SARA Schedule 1.

	<b>Common Name</b>	<b>Scientific Name</b>
<b>INSECTS</b>		
1	Bald Faced Hornet	<i>Dolichovespula maculata</i>
2	Black Blowfly	<i>Phormia regina</i>
3	Black Saddlebags Dragonfly	<i>Tramea lacerata</i>
4	Black-tipped Darner Dragonfly	<i>Aeshna tuberculifera</i>
5	Common Eastern Bumble Bee	<i>Bombus impatiens</i>
6	Cabbage White Butterfly	<i>Pieris rapae</i>
7	Canada Darner Dragonfly	<i>Aeshna canadensis</i>
8	Carolina Grasshopper	<i>Dissosteira carolina</i>
9	Eastern Carpenter Bee	<i>Xylocopa virginica</i>
10	Common Whitetail Dragonfly	<i>Plathemis lydia</i>
11	Eastern Amber Dragonfly	<i>Perithemis tenera</i>
12	Black Swallowtail Butterfly	<i>Papilio polyxenes</i>
13	Familiar Bluet Damselfly	<i>Enallagma civile</i>
14	German Yellowjacket	<i>Vespula germanica</i>
15	Great Black Wasp	<i>Sphex pensylvanicus</i>
16	Common Green Bottle Fly	<i>Lucilia sericata</i>
17	European Honeybee	<i>Apis mellifera</i>
18	Japanese Beetle	<i>Popillia japonica</i>
19	Large White Butterfly	<i>Pieris brassicae</i>
20	Monarch Butterfly	<i>Danaus plexippus</i>
21	Mustard White Butterfly	<i>Pieris oleracea</i>
22	Narrow-headed Marsh Fly	<i>Helophilus fasciatus</i>
23	Orange Sulfur Butterfly	<i>Colias eurytheme</i>
24	Painted Lady Butterfly	<i>Vanessa cardui</i>
25	Peck's Skipper Butterfly	<i>Polites peckius</i>
26	Question Mark Butterfly	<i>Polygonia interrogationis</i>
27	Red Admiral Butterfly	<i>Vanessa atalanta</i>
28	Red-legged Grasshopper	<i>Melanoplus femurrubrum</i>
29	Slender Spreadwing Damselfly	<i>Lestes rectangularis</i>
30	Viceroy Butterfly	<i>Limenitis archippus</i>
31	Western Conifer Seed bug	<i>Leptoglossus occidentalis</i>
32	Widow Skimmer Dragonfly	<i>Libellula luctuosa</i>
33	Yellow-legged Mud-dauber	<i>Sceliphron caementarium</i>
34	Eastern Tiger Swallowtail Butterfly	<i>Papilio glaucus</i>
35	Giant Swallowtail Butterfly	<i>Papilio cresophontes</i>

36	Pipevine Swallowtail Butterfly	<i>Battus philenor</i>
37	Mourning Cloak Butterfly	<i>Nymphalis antiopa</i>
38	American Painted Lady Butterfly	<i>Vanessa virginiensis</i>
39	Bicolored Striped Sweat Bee	<i>Agapostemon virescens</i>
40	Common Aerial Yellowjacket	<i>Dolichovespula arenaria</i>
41	Yellow-legged Meadowhawk Dragonfly	<i>Sympetrum vicinum</i>
42	Clouded Sulfur Butterfly	<i>Colias philodice</i>
43	Eastern Comma Butterfly	<i>Polygonia comma</i>
44	American Bumblebee	<i>Bombus pensylvanicus</i>
45	Silvery Blue Butterfly	<i>Glaucopsyche lygdamus</i>
46	White Admiral Butterfly	<i>Limenitis arthemis arthemis</i>
47	Red-spotted Purple Butterfly	<i>Limenitis arthemis astyanax</i>
48	Ebony Jewelwing Damselfly	<i>Calopteryx maculata</i>
49	Variable Eastern Taedia	<i>Taedia scrupea</i>
50	Clouded Plant Bug	<i>Neurocolpus nubilus</i>
51	Cocklebur Weevil	<i>Rhodoaenus quinquepunctatus</i>
52	Drury's Long-horned Bee	<i>Melissodes druriellus</i>
53	Bumble Flower Beetle	<i>Euphoria inda</i>
54	Grape Flea Beetle	<i>Altica chalybea</i>
55	Tiger Bee Fly	<i>Xenox tigrinis</i>
56	Golden Dung Fly	<i>Scathophaga stercoraria</i>
57	Organ Pipe Mud Dauber Wasp	<i>Trypoxylon politum</i>
58	European Paper Wasp	<i>Polistes dominula</i>
59	Willow Pinecone Gall Midge	<i>Rabdophaga strobiloides</i>
60	Thistle Stem Gall Fly	<i>Urophora cardui</i>
61	Blue Dasher Dragonfly	<i>Pachydiplax longipennis</i>
62	Two-spotted Bumble Bee	<i>Bombus bimaculatus</i>
63	Northern Dog-day Cicada	<i>Neotibicen canicularis</i>
64	Common Green Darner Dragonfly	<i>Anax junius</i>
65	Twenty-spotted Lady Beetle	<i>Psyllobora vigintimaculata</i>
66	Common Red Soldier Beetle	<i>Rhagonycha fulva</i>
67	Two-striped Grasshopper	<i>Melanoplus bivittatus</i>
68	Lily Leaf Beetle	<i>Lilioceris lili</i>
69	European Fire Ant	<i>Myrmica rubra</i>
70	Isabella Tiger Moth	<i>Pyrrharcita isabella</i>
71	Eastern Black Carpenter Ant	<i>Camponotus pensylvanicus</i>
72	Ferruginous Tiger Crane Fly	<i>Nephrotoma ferrungina</i>
73	Common Green Lacewing	<i>Chrysoperia carnea</i>
74	Harlequin Bug	<i>Murgantia histrionica</i>
75	European Earwig	<i>Forficula auricularia</i>
76	European Mantis	<i>Mantis religiosa</i>
77	Road Duster	<i>Dissosteira carolina</i>
78	Fall Field Cricket	<i>Gryllus pensylvanicus</i>

79	Sedge Sprite Damselfly	<i>Nehalennia irene</i>
80	Skimming Bluet Damselfly	<i>Enallagma geminatum</i>
81	Eastern Amberwing Dragonfly	<i>Perithemis tenera</i>
82	Locust Borer Beetle	<i>Megacyllene robiniae</i>
82	Woods Firefly	<i>Photuris pennsylvanicus</i>
83	Common Wood-nymph Butterfly	<i>Cercyonis pegala</i>
84	Six-spotted Tiger Beetle	<i>Cicindela sexguttata</i>
85	Red Goldenrod Aphid	<i>Uroleucon nigrotuberculatum</i>
86	Seven Spot Ladybird	<i>Coccinella septempunctata</i>
87	Mock-orange Scissor Bee	<i>Chelostoma philadelphia</i>
88	Bramble Mason Wasp	<i>Ancisterocerus adiabatus</i>

#### d) Fish of Swan Lake

The TRCA was engaged to undertake a fish inventory and removal of bottom feeding fish such as carp and goldfish from Swan Lake. The following table summarizes the fish species identified through 2024. Brown Bullhead, Common Carp and Goldfish are euthanized while Fathead minnows are returned to the lake.

<b>Date</b>	<b>Fish Species</b>	<b>Number of Fish</b>
April 2021 (3 days electrofishing + 2 days nets)	Brown Bullhead	210
	Common Carp	7
	Fathead Minnow	>10,000
August 2022 (1 day electrofishing, 1 day nets)	Brown Bullhead	80
	Common Carp	20
	Fathead Minnow	875
August 2023 (1 day electrofishing)	Brown Bullhead	84
	Common Carp	103
	Fathead Minnow	14
	Goldfish	2
April 2024 (1 day electrofishing, 1 day net)	Brown Bullhead	193
	Common Carp	1
	Fathead Minnow	1521
	Goldfish	13
	Common Carp x Goldfish	59
	Emerald Shiner	1

The TRCA recommended that the Brown Bullhead should be returned to the lake, rather than removed, since they are a native fish, and it is important to have some benthic feeders in a lake ecosystem.

The long-term plan has provisions for restocking with a variety of fish species when the water quality improves. In the spring of 2025, 500 small largemouth bass were added to the lake and Bluegill may be added when they are available.