

A Report on the Spiders of Bat Fork and Ochlawaha Bogs Henderson County, North Carolina

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**A report to the Plant Conservation Program
North Carolina Department of Agriculture**

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Photo: Ochlawaha Bog, B. Bockhahn

ABSTRACT

Spider surveys were conducted at two Plant Conservation Program bogs in Henderson County, North Carolina. Research methods were sweep net, beat sheet, litter sifting and visual observations day and night. Each site was visited at least once at night and each was visited three times from spring to fall.

Bat Fork Bog was visited on 30 June 2024 daytime, 26 Jun 2024 day and night, and 5 Sep 2024 daytime only. Ochlawaha Bog was visited on 26 Jun 2024 daytime only, 1 Aug 2024 day and night, and 5 Sep 2024 day and night.

Generally the habitat was very productive for spider diversity, with 54 species documented at Bat Fork Bog and 65 species at Ochlawaha bog. One target species I was looking for was an undescribed jumping spider that occurs in Bunched Arrowhead Preserve in nearby South Carolina. It was not detected, likely owing to these sites being a higher elevation site than those bogs in SC.

All records have been submitted to the North Carolina Biodiversity Project (NCBP) databases, including the Arachnids of North Carolina [Spiders of North Carolina](#), Butterflies of North Carolina, Odonates of North Carolina, Beetles of North Carolina and Moths of North Carolina.

Several voucher specimens were obtained and will be stored at the NCSU Entomology Laboratory, GUID numbers will be attached to vouchers and added to the database records on the NCBP. Photograph based identifications were made for common species and are subject to errors involved with that methodology.

Many photos were submitted to inaturalist: [Observations · iNaturalist](#)

SPIDER OBSERVATIONS/NOTES, BY FAMILY

Orbweavers, family Araneidae, were represented well with broad diversity of species large and small. Numbers were not overwhelming but average for a woodland site. *Araneus alboventris* individuals were found at each bog site; a good find, as they have had only a handful of prior records in NC. Fall-maturing *Neoscona* spp. were present and numerous around all bog and forest edges. Deep woods species were present in significant numbers in the floodplains.

Funnel weavers, family Agelenidae, were present in good numbers. These species sit low in the vegetation and build funnel webs, persevering through inundation. *Agelenopsis utahana* is present throughout the state but represented by only a few records: They prefer deep woods in large protected tracts, so are well adapted to the bog and creek edges.

Ghost spiders, family Anyphaenidae were present in good numbers but not abundant as they often are in mature habitats. Highly nocturnal, they hide underneath leaves in low vegetation in daytime. Only a few species were detected due to the family's habitat preferences. *Archosia cubana* is a wetland-loving species with a wide range from Texas to Florida and north to New England, but with only a dozen or so records within that vast area. Their being found on two separate occasions at Ochlawaha Bog was remarkable, and represents only the third record from NC, including the Piedmont and one coastal record.

Jumping spiders, family Salticidae were present in very good numbers. Shrub and grass specialists such as the common *Eris* and *Pelegrina* groups were detected at both bog sites in high numbers. The presence of these predators would indicate a healthy population of prey. One tiny jumping spider, *Neon nelli* was detected at Ochlawaha Bog. At only 2-3 mm long, this colorful little jumper is known from only a handful of records in the NC mountains. The larger and showy *Marpissa formosa* is always a good find with few records in the state. *Admestina tibialis* is a tree dwelling bark mimic that only occurs around wetland and water habitats, and is always a good sign being found on a dead shrub in the middle of the bog.

Crab Spiders, family Thomisidae, were present in number and diversity. Often found in flowers and low vegetation, these pollinator predators are another important indicator of food web health. Several uncommon species were detected including *Xysticus peltax*, a tree bark mimic represented by only one other record in N.C. An undescribed species of *Mecaphesa*, "*M. n.sp 1*" was detected at both bog sites and represents a first record for the foothills region, as most records come from the upper coastal plain/piedmont fall line area.

Wolf Spiders, family Lycosidae, were present in numbers below expectations. Many wolf spiders live in leaf litter, and the regular flooding along creeks and rivers will remove many individuals. Spiders are often the first colonizers, so floodplain and low-lying areas were, and always will be, colonized by wolf spiders from unaffected areas. A few *Gladicosa pulchra* were found, but fewer than expected. This species prefers the base of tree trunks and is thus likely to succumb to flooding. The genera *Pirata* and *Piratula* are usually found under—or around—downed logs and debris, so were detected in significant numbers. Only one *Tigrosa* sp. individual was detected; these spiders burrow in leaf litter and are likely washed away or relocate to areas with thicker layers of leaf litter. Spiders of the genus *Schizocosa* are often the most numerous animals to be found in forest floor leaf litter, yet none were detected despite nighttime search efforts. The wet-sand loving *Pardosa milvina* are often abundant in freshwater seeps, bogs, shorelines and wetlands, so the presence of a low number of these spiders is noteworthy.

Fishing Spiders, family Dolomedidae, were present in modest numbers. Usually perching on tree trunks near water, they often wander far from water to feed. Therefore, although not numerous, the species are likely to survive in flooded areas.

Cobweb Spiders, family Theridiidae, were present in large numbers. *Theridion* and *Yunohamella* are grass- and low-shrub species, and both were abundant. The 2mm *Dipoena appalachia* was only the second confirmed North Carolina record for this easily overlooked species.

The Longjawed Orbweavers, family Tetragnathidae, were abundant, as they are everywhere across the state. The forest dwelling *Leucage venusta* was present around bog edges and anywhere they can find shade. The riparian and wetland loving *Tetragnatha* species were numerous throughout all parts of both bogs. They build orb webs on a horizontal plane, just above the surface of water to catch emerging aquatic insects. Six different species of *Tetragnatha* were documented, a rather high diversity for a small area.

Bat Fork Bog - 54 species							
sciName	county	cour site	date	collector	number	method	habitat
Admetina tibialis	Henderson	Bat Fork Bog	9/5/2024	Brian Bockhahn	1	DSD	MBFE
Anypaena pectorosa	Henderson	Bat Fork Bog	9/5/2024	Brian Bockhahn	1	DSD	MBFE
Anypaena pectorosa	Henderson	Bat Fork Bog	5/30/2024	Brian Bockhahn	1	DSD	MBFE
Anypaena pectorosa	Henderson	Bat Fork Bog	5/30/2024	Brian Bockhahn	1	DSD	MBFE
Araneus alboventris	Henderson	Bat Fork Bog	9/5/2024	Brian Bockhahn	1	DSD	MBFE
Araneus alboventris	Henderson	Bat Fork Bog	5/30/2024	Brian Bockhahn	1	DSD	MBFE
Araneus unidentified species	Henderson	Bat Fork Bog	5/30/2024	Brian Bockhahn	1	DSD	MBFE
Araniella displicata	Henderson	Bat Fork Bog	5/30/2024	Brian Bockhahn	1	DSD	MBFE
Araniella displicata	Henderson	Bat Fork Bog	5/30/2024	Brian Bockhahn	1	DSD	MBFE
Araniella displicata	Henderson	Bat Fork Bog	5/30/2024	Brian Bockhahn	1	DSD	MBFE
Castianeira longipalpus	Henderson	Bat Fork Bog	9/5/2024	Brian Bockhahn	1	DSD	MBFE
Ceraticelus alticeps	Henderson	Bat Fork Bog	5/30/2024	Brian Bockhahn	1	DSD	MBFE
Ceraticelus emertoni	Henderson	Bat Fork Bog	5/30/2024	Brian Bockhahn	1	DSD	MBFE
Cesonia bilineata	Henderson	Bat Fork Bog	5/30/2024	Brian Bockhahn	1	DSD	MBFE
Cesonia bilineata	Henderson	Bat Fork Bog	5/30/2024	Brian Bockhahn	1	DSD	MBFE
Colonus sylvanus	Henderson	Bat Fork Bog	9/5/2024	Brian Bockhahn	1	DSD	MBFE
Colonus sylvanus	Henderson	Bat Fork Bog	5/30/2024	Brian Bockhahn	1	DSD	MBFE
Colonus sylvanus	Henderson	Bat Fork Bog	5/30/2024	Brian Bockhahn	1	DSD	MBFE
Diplocephalus appalachia	Henderson	Bat Fork Bog	5/30/2024	Brian Bockhahn	1	DSD	MBFE
Dolomedes tenebrosus	Henderson	Bat Fork Bog	9/5/2024	Brian Bockhahn	1	DSD	MBFE
Drassyllus unidentified species	Henderson	Bat Fork Bog	9/5/2024	Brian Bockhahn	1	DSD	MBFE
Elaver excepta	Henderson	Bat Fork Bog	9/5/2024	Brian Bockhahn	1	DSD	MBFE
Elaver excepta	Henderson	Bat Fork Bog	5/30/2024	Brian Bockhahn	1	DSD	MBFE
Elaver excepta	Henderson	Bat Fork Bog	5/30/2024	Brian Bockhahn	1	DSD	MBFE
Emblyna sublata	Henderson	Bat Fork Bog	5/30/2024	Brian Bockhahn	1	DSD	MBFE
Emblyna sublata	Henderson	Bat Fork Bog	5/30/2024	Brian Bockhahn	1	DSD	MBFE
Emblyna sublata	Henderson	Bat Fork Bog	5/30/2024	Brian Bockhahn	1	DSD	MBFE
Eris militaris	Henderson	Bat Fork Bog	9/5/2024	Brian Bockhahn	1	DSD	MBFE
Eris militaris	Henderson	Bat Fork Bog	9/5/2024	Brian Bockhahn	1	DSD	MBFE
Eris militaris	Henderson	Bat Fork Bog	5/30/2024	Brian Bockhahn	1	DSD	MBFE
Euryopis funebris	Henderson	Bat Fork Bog	9/5/2024	Brian Bockhahn	1	DSD	MBFE
Eustala anastera	Henderson	Bat Fork Bog	5/30/2024	Brian Bockhahn	1	DSD	MBFE
Eustala anastera	Henderson	Bat Fork Bog	5/30/2024	Brian Bockhahn	1	DSD	MBFE
Eustala cepina	Henderson	Bat Fork Bog	9/5/2024	Brian Bockhahn	1	DSD	MBFE
Frontinella pyramitela	Henderson	Bat Fork Bog	5/30/2024	Brian Bockhahn	1	DSD	MBFE
Hentzia mitrata	Henderson	Bat Fork Bog	9/5/2024	Brian Bockhahn	1	DSD	MBFE
Hentzia mitrata	Henderson	Bat Fork Bog	5/30/2024	Brian Bockhahn	1	DSD	MBFE
Hentzia mitrata	Henderson	Bat Fork Bog	5/30/2024	Brian Bockhahn	1	DSD	MBFE
Hentzia mitrata	Henderson	Bat Fork Bog	5/30/2024	Brian Bockhahn	1	DSD	MBFE
Hentzia mitrata	Henderson	Bat Fork Bog	5/30/2024	Brian Bockhahn	1	DSD	MBFE
Hypososinga rubens	Henderson	Bat Fork Bog	5/30/2024	Brian Bockhahn	1	DSD	MBFE
Hypososinga rubens	Henderson	Bat Fork Bog	5/30/2024	Brian Bockhahn	1	DSD	MBFE
Leucauge venusta	Henderson	Bat Fork Bog	5/30/2024	Brian Bockhahn	1	DSD	MBFE
Leucauge venusta	Henderson	Bat Fork Bog	5/30/2024	Brian Bockhahn	1	DSD	MBFE
Lyssomanes viridis	Henderson	Bat Fork Bog	9/5/2024	Brian Bockhahn	1	DSD	MBFE
Lyssomanes viridis	Henderson	Bat Fork Bog	5/30/2024	Brian Bockhahn	1	DSD	MBFE
Mangora placida	Henderson	Bat Fork Bog	9/5/2024	Brian Bockhahn	1	DSD	MBFE
Marpissa formosa	Henderson	Bat Fork Bog	9/5/2024	Brian Bockhahn	1	DSD	MBFE
Marpissa formosa	Henderson	Bat Fork Bog	5/30/2024	Brian Bockhahn	1	DSD	MBFE
Mecaphesa sp. 1	Henderson	Bat Fork Bog	9/5/2024	Brian Bockhahn	1	DSD	MBFE
Metopeira labyrinthea	Henderson	Bat Fork Bog	9/5/2024	Brian Bockhahn	1	DSD	MBFE
Micrathena mitrata	Henderson	Bat Fork Bog	9/5/2024	Brian Bockhahn	1	DSD	MBFE
Micrathena sagittata	Henderson	Bat Fork Bog	9/5/2024	Brian Bockhahn	1	DSD	MBFE
Mimetus puritanus	Henderson	Bat Fork Bog	5/30/2024	Brian Bockhahn	1	DSD	MBFE
Misumenoides formosipes	Henderson	Bat Fork Bog	9/5/2024	Brian Bockhahn	1	DSD	MBFE
Misumessus oblongus	Henderson	Bat Fork Bog	5/30/2024	Brian Bockhahn	1	DSD	MBFE
Misumessus oblongus	Henderson	Bat Fork Bog	5/30/2024	Brian Bockhahn	1	DSD	MBFE
Neoscona arabesca	Henderson	Bat Fork Bog	9/5/2024	Brian Bockhahn	1	DSD	MBFE
Neoscona arabesca	Henderson	Bat Fork Bog	5/30/2024	Brian Bockhahn	1	DSD	MBFE
Neospintherus trigonum	Henderson	Bat Fork Bog	5/30/2024	Brian Bockhahn	1	DSD	MBFE
Paraphidippus aurantius	Henderson	Bat Fork Bog	5/30/2024	Brian Bockhahn	1	DSD	MBFE
Peckhamia unidentified species	Henderson	Bat Fork Bog	5/30/2024	Brian Bockhahn	1	DSD	MBFE
Peckhamia unidentified species	Henderson	Bat Fork Bog	5/30/2024	Brian Bockhahn	1	DSD	MBFE
Pelegrina exigua	Henderson	Bat Fork Bog	9/5/2024	Brian Bockhahn	1	DSD	MBFE
Pelegrina galathea	Henderson	Bat Fork Bog	9/5/2024	Brian Bockhahn	1	DSD	MBFE
Pelegrina galathea	Henderson	Bat Fork Bog	5/30/2024	Brian Bockhahn	1	DSD	MBFE
Pelegrina galathea	Henderson	Bat Fork Bog	5/30/2024	Brian Bockhahn	1	DSD	MBFE
Philodromus marxi	Henderson	Bat Fork Bog	9/5/2024	Brian Bockhahn	1	DSD	MBFE
Philodromus marxi	Henderson	Bat Fork Bog	5/30/2024	Brian Bockhahn	1	DSD	MBFE
Philodromus marxi	Henderson	Bat Fork Bog	5/30/2024	Brian Bockhahn	1	DSD	MBFE
Philodromus marxi	Henderson	Bat Fork Bog	5/30/2024	Brian Bockhahn	1	DSD	MBFE
Phylloneta pictipes	Henderson	Bat Fork Bog	9/5/2024	Brian Bockhahn	1	DSD	MBFE
Pirata sedentarius	Henderson	Bat Fork Bog	5/30/2024	Brian Bockhahn	1	DSD	MBFE
Piratula insularis	Henderson	Bat Fork Bog	5/30/2024	Brian Bockhahn	1	DSD	MBFE
Pisaurina mira	Henderson	Bat Fork Bog	9/5/2024	Brian Bockhahn	1	DSD	MBFE
Pisaurina mira	Henderson	Bat Fork Bog	5/30/2024	Brian Bockhahn	1	DSD	MBFE
Pisaurina mira	Henderson	Bat Fork Bog	5/30/2024	Brian Bockhahn	1	DSD	MBFE
Synema parvulum	Henderson	Bat Fork Bog	9/5/2024	Brian Bockhahn	1	DSD	MBFE
Synema parvulum	Henderson	Bat Fork Bog	5/30/2024	Brian Bockhahn	1	DSD	MBFE
Tetragnatha elongata	Henderson	Bat Fork Bog	5/30/2024	Brian Bockhahn	1	DSD	MBFE
Tetragnatha elongata	Henderson	Bat Fork Bog	5/30/2024	Brian Bockhahn	1	DSD	MBFE
Tetragnatha laboriosa	Henderson	Bat Fork Bog	9/5/2024	Brian Bockhahn	1	DSD	MBFE
Tetragnatha straminea	Henderson	Bat Fork Bog	5/30/2024	Brian Bockhahn	1	DSD	MBFE
Tetragnatha straminea	Henderson	Bat Fork Bog	5/30/2024	Brian Bockhahn	1	DSD	MBFE
Theridion albidum	Henderson	Bat Fork Bog	5/30/2024	Brian Bockhahn	1	DSD	MBFE
Theridion albidum	Henderson	Bat Fork Bog	5/30/2024	Brian Bockhahn	1	DSD	MBFE
Theridion differens	Henderson	Bat Fork Bog	9/5/2024	Brian Bockhahn	1	DSD	MBFE
Theridion differens	Henderson	Bat Fork Bog	5/30/2024	Brian Bockhahn	1	DSD	MBFE
Wulfilia albens	Henderson	Bat Fork Bog	9/5/2024	Brian Bockhahn	1	DSD	MBFE
Xysticus funestus	Henderson	Bat Fork Bog	5/30/2024	Brian Bockhahn	1	DSD	MBFE
Yunohamella lyrica	Henderson	Bat Fork Bog	9/5/2024	Brian Bockhahn	1	DSD	MBFE
Yunohamella lyrica	Henderson	Bat Fork Bog	9/5/2024	Brian Bockhahn	1	DSD	MBFE
Yunohamella lyrica	Henderson	Bat Fork Bog	5/30/2024	Brian Bockhahn	1	DSD	MBFE
Zygoballus rufipes	Henderson	Bat Fork Bog	9/5/2024	Brian Bockhahn	1	DSD	MBFE
Zygoballus rufipes	Henderson	Bat Fork Bog	5/30/2024	Brian Bockhahn	1	DSD	MBFE
Zygoballus rufipes	Henderson	Bat Fork Bog	5/30/2024	Brian Bockhahn	1	DSD	MBFE
Zygoballus rufipes	Henderson	Bat Fork Bog	5/30/2024	Brian Bockhahn	1	DSD	MBFE

Ochlawaha Bog Spider List - 65 species							
sciName	county	site	date	collector	number	method	habitat
Acacesia hamata	Henderson	Ochlawaha Bog	6/26/2024	Brian Bockhahn	1	DSD	MBFE
Acacesia hamata	Henderson	Ochlawaha Bog	8/1/2024	Brian Bockhahn	1	DSD	MBFE
Agelenopsis utahana	Henderson	Ochlawaha Bog	8/1/2024	Brian Bockhahn	1	DSD/DSN	MBFE
Anypaena pectorosa	Henderson	Ochlawaha Bog	8/1/2024	Brian Bockhahn	5	DSD	MBFE
Anypaena pectorosa	Henderson	Ochlawaha Bog	9/5/2024	Brian Bockhahn	1	DSD	MBFE
Anypaena pectorosa	Henderson	Ochlawaha Bog	8/1/2024	Brian Bockhahn	1	DSD/DSN	MBFE
Arachosia cubana	Henderson	Ochlawaha Bog	6/26/2024	Brian Bockhahn	1	DSD	MBFE
Arachosia cubana	Henderson	Ochlawaha Bog	9/5/2024	Brian Bockhahn	1	DSD	MBFE
Arachosia cubana	Henderson	Ochlawaha Bog	9/5/2024	Brian Bockhahn	1	DSD	MBFE
Araneus alboventris	Henderson	Ochlawaha Bog	6/26/2024	Brian Bockhahn	1	DSD	MBFE
Araniella displicata	Henderson	Ochlawaha Bog	6/26/2024	Brian Bockhahn	1	DSD	MBFE
Bassaniana unidentified species	Henderson	Ochlawaha Bog	8/1/2024	Brian Bockhahn	1	DSD	MBFE
Cheiracanthium inclusum	Henderson	Ochlawaha Bog	6/26/2024	Brian Bockhahn	1	DSD	MBFE
Cheiracanthium inclusum	Henderson	Ochlawaha Bog	6/26/2024	Brian Bockhahn	1	DSD	MBFE
Cubiona unidentified species	Henderson	Ochlawaha Bog	9/5/2024	Brian Bockhahn	1	DSD	MBFE
Colonus sylvanus	Henderson	Ochlawaha Bog	8/1/2024	Brian Bockhahn	5	DSD	MBFE
Dolomedes tenebrosus	Henderson	Ochlawaha Bog	9/5/2024	Brian Bockhahn	1	DSD	MBFE
Dolomedes triton	Henderson	Ochlawaha Bog	6/26/2024	Brian Bockhahn	1	DSD	MBFE
Dolomedes unidentified species	Henderson	Ochlawaha Bog	6/26/2024	Brian Bockhahn	1	DSD	MBFE
Dolomedes vittatus	Henderson	Ochlawaha Bog	9/5/2024	Brian Bockhahn	1	DSD	MBFE
Elaver excepta	Henderson	Ochlawaha Bog	9/5/2024	Brian Bockhahn	1	DSD	MBFE
Emblyna sublata	Henderson	Ochlawaha Bog	6/26/2024	Brian Bockhahn	1	DSD	MBFE
Erigone atra	Henderson	Ochlawaha Bog	6/26/2024	Brian Bockhahn	1	DSD	MBFE
Eris militaris	Henderson	Ochlawaha Bog	9/5/2024	Brian Bockhahn	1	DSD	MBFE
Florinda coccinea	Henderson	Ochlawaha Bog	6/26/2024	Brian Bockhahn	2	DSD	MBFE
Frontinella pyramitela	Henderson	Ochlawaha Bog	8/1/2024	Brian Bockhahn	1	DSD	MBFE
Gladicosa pulchra	Henderson	Ochlawaha Bog	9/5/2024	Brian Bockhahn	1	DSD	MBFE
Grammonota maculata	Henderson	Ochlawaha Bog	8/1/2024	Brian Bockhahn	1	DSD	MBFE
Grammonota maculata	Henderson	Ochlawaha Bog	8/1/2024	Brian Bockhahn	1	DSD	MBFE
Leucauge venusta	Henderson	Ochlawaha Bog	6/26/2024	Brian Bockhahn	1	DSD	MBFE
Leucauge venusta	Henderson	Ochlawaha Bog	8/1/2024	Brian Bockhahn	1	DSD/DSN	MBFE
Leucauge venusta	Henderson	Ochlawaha Bog	8/1/2024	Brian Bockhahn	1	DSD/DSN	MBFE
Maevia inclemens	Henderson	Ochlawaha Bog	6/26/2024	Brian Bockhahn		DSD	MBFE
Mangora maculata	Henderson	Ochlawaha Bog	8/1/2024	Brian Bockhahn	1	DSD	MBFE
Mangora maculata	Henderson	Ochlawaha Bog	8/1/2024	Brian Bockhahn	1	DSD/DSN	MBFE
Mecaphesa asperata	Henderson	Ochlawaha Bog	6/26/2024	Brian Bockhahn	1	DSD	MBFE
Mecaphesa asperata	Henderson	Ochlawaha Bog	9/5/2024	Brian Bockhahn	1	DSD	MBFE
Mecaphesa sp. 1	Henderson	Ochlawaha Bog	8/1/2024	Brian Bockhahn	1	DSD/DSN	MBFE
Micrathena gracilis	Henderson	Ochlawaha Bog	6/26/2024	Brian Bockhahn	1	DSD	MBFE
Micrathena sagittata	Henderson	Ochlawaha Bog	6/26/2024	Brian Bockhahn	1	DSD	MBFE
Micrathena sagittata	Henderson	Ochlawaha Bog	8/1/2024	Brian Bockhahn	1	DSD/DSN	MBFE
Mimetus puritanus	Henderson	Ochlawaha Bog	7/1/2024	Brian Bockhahn	1	DSD/DSN	MBFE
Misumenoides formosipes	Henderson	Ochlawaha Bog	6/26/2024	Brian Bockhahn	1	DSD	MBFE
Misumenoides formosipes	Henderson	Ochlawaha Bog	9/5/2024	Brian Bockhahn	1	DSD	MBFE
Misumessus oblongus	Henderson	Ochlawaha Bog	6/26/2024	Brian Bockhahn	1	DSD	MBFE
Misumessus oblongus	Henderson	Ochlawaha Bog	6/26/2024	Brian Bockhahn	1	DSD	MBFE
Neon nelli	Henderson	Ochlawaha Bog	6/26/2024	Brian Bockhahn	1	DSD	MBFE
Neoscona arabesca	Henderson	Ochlawaha Bog	6/26/2024	Brian Bockhahn	1	DSD	MBFE
Neoscona arabesca	Henderson	Ochlawaha Bog	8/1/2024	Brian Bockhahn	20	DSD	MBFE
Neoscona arabesca	Henderson	Ochlawaha Bog	9/5/2024	Brian Bockhahn	1	DSD	MBFE
Neoscona arabesca	Henderson	Ochlawaha Bog	9/5/2024	Brian Bockhahn	1	DSD	MBFE
Neoscona crucifera	Henderson	Ochlawaha Bog	8/1/2024	Brian Bockhahn	1	DSD/DSN	MBFE
Neoscona crucifera	Henderson	Ochlawaha Bog	8/1/2024	Brian Bockhahn	1	DSD/DSN	MBFE
Neospintharus trigonum	Henderson	Ochlawaha Bog	9/5/2024	Brian Bockhahn	1	DSD	MBFE
Pardosa milvina	Henderson	Ochlawaha Bog	6/26/2024	Brian Bockhahn	1	DSD	MBFE
Pardosa milvina	Henderson	Ochlawaha Bog	8/1/2024	Brian Bockhahn	1	DSD	MBFE
Pardosa milvina	Henderson	Ochlawaha Bog	9/5/2024	Brian Bockhahn	1	DSD	MBFE
Pelegrina galathea	Henderson	Ochlawaha Bog	6/26/2024	Brian Bockhahn	1	DSD	MBFE
Pelegrina galathea	Henderson	Ochlawaha Bog	8/1/2024	Brian Bockhahn	50	DSD	MBFE
Pelegrina galathea	Henderson	Ochlawaha Bog	9/5/2024	Brian Bockhahn	1	DSD	MBFE
Phidippus audax	Henderson	Ochlawaha Bog	8/1/2024	Brian Bockhahn	1	DSD	MBFE
Phidippus princeps	Henderson	Ochlawaha Bog	8/1/2024	Brian Bockhahn	1	DSD	MBFE
Phidippus putnami	Henderson	Ochlawaha Bog	6/26/2024	Brian Bockhahn	1	DSD	MBFE
Pirata unidentified species	Henderson	Ochlawaha Bog	8/1/2024	Brian Bockhahn	1	DSD/DSN	MBFE
Pirata unidentified species	Henderson	Ochlawaha Bog	8/1/2024	Brian Bockhahn	1	DSD/DSN	MBFE
Piratula insularis	Henderson	Ochlawaha Bog	9/5/2024	Brian Bockhahn	1	DSD	MBFE
Piratula minuta	Henderson	Ochlawaha Bog	9/5/2024	Brian Bockhahn	1	DSD	MBFE
Pisaurina mira	Henderson	Ochlawaha Bog	6/26/2024	Brian Bockhahn	1	DSD	MBFE
Pisaurina mira	Henderson	Ochlawaha Bog	8/1/2024	Brian Bockhahn	10	DSD	MBFE
Pisaurina mira	Henderson	Ochlawaha Bog	8/1/2024	Brian Bockhahn	1	DSD	MBFE
Pisaurina mira	Henderson	Ochlawaha Bog	8/1/2024	Brian Bockhahn	1	DSD/DSN	MBFE
Pityophantes costatus	Henderson	Ochlawaha Bog	9/5/2024	Brian Bockhahn	1	DSD	MBFE
Spintharus flavidus	Henderson	Ochlawaha Bog	8/1/2024	Brian Bockhahn	1	DSD	MBFE
Synema parvulum	Henderson	Ochlawaha Bog	9/5/2024	Brian Bockhahn	1	DSD	MBFE
Tetragnatha elongata	Henderson	Ochlawaha Bog	6/26/2024	Brian Bockhahn	1	DSD	MBFE
Tetragnatha guatemalensis	Henderson	Ochlawaha Bog	9/5/2024	Brian Bockhahn	1	DSD	MBFE
Tetragnatha laboriosa	Henderson	Ochlawaha Bog	8/1/2024	Brian Bockhahn	1	DSD	MBFE
Tetragnatha laboriosa	Henderson	Ochlawaha Bog	9/5/2024	Brian Bockhahn	1	DSD	MBFE
Tetragnatha straminea	Henderson	Ochlawaha Bog	6/26/2024	Brian Bockhahn	1	DSD	MHES
Tetragnatha versicolor	Henderson	Ochlawaha Bog	6/26/2024	Brian Bockhahn	1	DSD	MBFE
Tetragnatha viridis	Henderson	Ochlawaha Bog	6/26/2024	Brian Bockhahn	1	DSD	MBFE
Theridion cheimatos	Henderson	Ochlawaha Bog	6/26/2024	Brian Bockhahn	1	DSD	MBFE
Theridion frondeum	Henderson	Ochlawaha Bog	6/26/2024	Brian Bockhahn	1	DSD	MBFE
Theridion frondeum	Henderson	Ochlawaha Bog	6/26/2024	Brian Bockhahn	1	DSD	MBFE
Theridion frondeum	Henderson	Ochlawaha Bog	8/1/2024	Brian Bockhahn	1	DSD	MBFE
Tigrosa annexa	Henderson	Ochlawaha Bog	9/5/2024	Brian Bockhahn	1	DSD	MBFE
Tmarus angulatus	Henderson	Ochlawaha Bog	9/5/2024	Brian Bockhahn	1	DSD	MBFE
Verrucosa arenata	Henderson	Ochlawaha Bog	9/5/2024	Brian Bockhahn	1	DSD	MBFE
Xysticus peltax	Henderson	Ochlawaha Bog	8/1/2024	Brian Bockhahn	1	DSD	MBFE
Yunohamella lyrica	Henderson	Ochlawaha Bog	8/1/2024	Brian Bockhahn	1	DSD	MBFE
Yunohamella lyrica	Henderson	Ochlawaha Bog	8/1/2024	Brian Bockhahn	1	DSD/DSN	MBFE
Yunohamella lyrica	Henderson	Ochlawaha Bog	8/1/2024	Brian Bockhahn	1	DSD/DSN	MBFE
Zygoballus rufipes	Henderson	Ochlawaha Bog	6/26/2024	Brian Bockhahn	1	DSD	MBFE
Zygoballus rufipes	Henderson	Ochlawaha Bog	6/26/2024	Brian Bockhahn	1	DSD	MBFE
Zygoballus rufipes	Henderson	Ochlawaha Bog	8/1/2024	Brian Bockhahn	1	DSD/DSN	MBFE

OTHER TAXA DOCUMENTED

Bird lists were kept in ebird:

[eBird Checklist - 30 May 2024 - Bat Fork \(private property\) - 19 species](#)

[eBird Checklist - 26 Jun 2024 - Bat Fork \(private property\) - 22 species](#)

[eBird Checklist - 5 Sep 2024 - Bat Fork \(private property\) - 23 species](#)

[eBird Checklist - 1 Aug 2024 - Ochlawaha \(private property\) - 27 species](#)

[eBird Checklist - 26 Jun 2024 - Ochlawaha \(private property\) - 19 species](#)

[eBird Checklist - 5 Sep 2024 - Ochlawaha \(private property\) - 29 species](#)

Butterflies, Dragonflies and Damselflies (odonates) were entered into North Carolina Biodiversity Project databases, lists and numbers below. Dragonflies peak in July, butterflies are multi brooded in many species, and generally peak in late August into September.

Bat Fork 6/26/2024

Butterflies

Pearl Crescent - 1

Silver-spotted skipper -2

Ocola Skipper - 6

Least Skipper - 4 (wetland specialist)

Odonates

Green Darner - 1

Common Whitetail - 2

Eastern Pondhawk - 6

Eastern Amberwing - 3

Slaty Skimmer - 1

Ebony Jewelwing - 6

Citrine Forktail - 3

Ochlawaha 6/26/2024

Butterflies

Summer azure - 1

Red admiral - 1

Appalachian brown - 2 (wetland/floodplain specialist, last record for Henderson county was 2015 at bat fork bog by R. evans! [Butterflies of North Carolina \(ncparks.gov\)](http://ncparks.gov))

Silver spotted skipper - 1
Ocola skipper - 6

Odonates

Gray petaltail - 1 (only second record for Henderson county)
Ruby meadowhawk - 1
Spangled skimmer - 16
Blue Dasher - 2
Great blue skimmer - 4
Common whitetail - 6
Slaty skimmer - 4
widow skimmer - 1
variable dancer - 3
ebony jewelwing - 5
Sphagnum sprite - 12 (wetland specialist, not documented in Henderson county since 1942 [NC Odonate Website \(ncparks.gov\)](#))
Citrine forktail - 1

8/1/2025 Ochlawaha Bog

Butterflies

Cabbage White - 1
Common Buckeye - 1
Appalachian Brown - 2
Sachem - 5
Zabulon Skipper - 1

Odonates

Autumn meadowhawk - 1
Blue Dasher - 1
Citrine Forktail - 2
Great Blue Skimmer - 1
Slaty Skimmer - 3
Slender Spreadwing - 1
Ebony Jewelwing - 6
Band-winged Meadowhawk – 1 (S3, G5, wetland, marsh and bog specialist, first Henderson county record) [Band-winged Meadowhawk \(Sympetrum semicinctum\) on August 01, 2024 at 04:53 PM by birdrangerbb · iNaturalist](#)

9/5/2024 Bat Fork bog

Butterflies

Cloudless Sulphur 4
Summer Azure 1
Pearl Crescent 1

Common Buckeye 1
Appalachian Brown 2
Viceroy 1
Zabulon Skipper 1
Clouded Skipper 6
Crossline Skipper 2
Least Skipper 15
Ocola Skipper 2
Sachem 5

Odonates
Green Darner 1
Blue-faced Meadowhawk 3
Eastern Pondhawk 1
Blue Dasher 1
Little Blue Dasher 1
Great Blue Skimmer 2
Fragile Forktail 3

9/5/2024 Ochlawaha Bog

Butterflies
Cloudless Sulphur 1
Summer Azure 5
E tailed Blue 1
Gray Hairstreak 1
Pearl Crescent 6
Appalachian Brown 3
Viceroy 3
Silver spotted skipper 1
Long-tailed skipper 1
Zabulon Skipper 3
Clouded Skipper 11
Least Skipper 22
Ocola Skipper 3
Sachem 18

Odonates
Green Darner 3
Blue-faced Meadowhawk 1
Eastern Pondhawk 2
Blue Dasher 2
Little Blue Dasher 1
Great Blue Skimmer 1

Common Whitetail 2
Halloween pennant 1
Black saddlebags 1
Citrine Forktail 1
Fragile Forktail 6