

# Checklist of the Odonates of North Carolina

Observer(s): \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 Date: \_\_\_\_\_  
 Time: \_\_\_\_\_  
 Location: \_\_\_\_\_  
 County: \_\_\_\_\_  
 Weather: \_\_\_\_\_

Species Total: \_\_\_\_\_  
 This is a listing of the 184 odonate species known to occur in the state. Listed after each species is its State Rank and its State Status, followed by its geographic range.

**State Rank:**  
 S1 = Critically imperiled in the state  
 S2 = Imperiled in the state  
 S3 = Rare or uncommon in the state  
 S4 = Apparently secure in the state  
 S5 = Demonstrably secure in the state  
 SH = Of historical occurrence, last record over 30 years ago  
 SA = Accidental or casual visitor/stray

**State Status:**  
 SR = Significantly Rare  
 W = Watch List  
**Geographic range:**  
 M = Mountains  
 P = Piedmont  
 C = Coastal Plain  
 + = Recorded in that region  
 \* = Essentially restricted to estuarine habitats  
 ( ) = Of marginal occurrence in the region

**Petaltails (PETALURIDAE) - 1 sp. in NC** **M P C**  
 \_\_\_\_\_ Gray Petaltail - *Tachopteryx thoreyi* S3S4 + + (+)  
**Darners (AESHNIDAE) - 14 spp. in NC**  
 \_\_\_\_\_ Black-tipped Darner - *Aeshna tuberculifera* S1S2 - SR +  
 \_\_\_\_\_ Shadow Darner - *A. umbrosa* S5 + + +  
 \_\_\_\_\_ Green-striped Darner - *A. verticalis* S1S2 - SR +  
 \_\_\_\_\_ Common Green Darner - *Anax junius* S5 + + +  
 \_\_\_\_\_ Comet Darner - *A. longipes* S4 + + +  
 \_\_\_\_\_ Springtime Darner - *Bastiaeschna janata* S5 + + +  
 \_\_\_\_\_ Ocellated Darner - *Boyeria graefiana* S3? - W +  
 \_\_\_\_\_ Fawn Darner - *B. vinosa* S5 + + +

## Darners (AESHNIDAE) - 14 spp. in NC

\_\_\_\_\_ Regal Darner - *Coryphaeschna ingens* S3? - W (+) +  
 \_\_\_\_\_ Swamp Darner - *Epiaschna heros* S5 + + +  
 \_\_\_\_\_ Taper-tailed Darner - *Gomphaeschna antilope* S4 + + +  
 \_\_\_\_\_ Harlequin Darner - *G. fuscillata* S4S5 + + +  
 \_\_\_\_\_ Cyrano Darner - *Nasiaeschna pentacantha* S4S5 + + +  
 \_\_\_\_\_ Phantom Darner - *Triacanthagyna trifida* S2? - W +

## Clubtails (GOMPHIDAE) - 46 spp. in NC

\_\_\_\_\_ Two-striped Forcetail - *Aphylla williamsi* S3? - W +  
 \_\_\_\_\_ Gray-green Clubtail - *Argemphus pallidus* S1? - W +  
 \_\_\_\_\_ Unicorn Clubtail - *A. villosipes* S3? - W + (+) +  
 \_\_\_\_\_ Southeastern Spinyleg - *Dromogomphus armatus* S3? - W +  
 \_\_\_\_\_ Black-shouldered Spinyleg - *D. spinosus* S5 + + +  
 \_\_\_\_\_ Eastern Ringtail - *Erpetogomphus designatus* S3? - W + + +  
 \_\_\_\_\_ Spine-crowned Clubtail - *Gomphus abbreviatus* S3? - SR + (+)

\_\_\_\_\_ Mustached Clubtail - *G. adelphus* S1S2 - SR +  
 \_\_\_\_\_ Banner Clubtail - *G. apomyius* S3? - W + + +  
 \_\_\_\_\_ Clearlake Clubtail - *G. australis* S2? - SR +  
 \_\_\_\_\_ Beaverpond Clubtail - *G. borealis* SH - SR +  
 \_\_\_\_\_ Sandhill Clubtail - *G. cavillaris* S1S2 - SR +  
 \_\_\_\_\_ Cherokee Clubtail - *G. consanguis* S1S2 - SR +  
 \_\_\_\_\_ Harpoon Clubtail - *G. descriptus* S1? - SR +  
 \_\_\_\_\_ Blackwater Clubtail - *G. dilatatus* S3? - W + + +  
 \_\_\_\_\_ Diminutive Clubtail - *G. diminutus* S3S4 - W (+) +  
 \_\_\_\_\_ Lancelet Clubtail - *G. exilis* S5 + + +  
 \_\_\_\_\_ Midland Clubtail - *G. fraternus* S1? - SR + + +  
 \_\_\_\_\_ Cocoa Clubtail - *G. hybridus* S3? + + +  
 \_\_\_\_\_ Splendid Clubtail - *G. lineatifrons* S2S3 - SR + + +  
 \_\_\_\_\_ Ashy Clubtail - *G. lividus* S5 + + +  
 \_\_\_\_\_ Piedmont Clubtail - *G. parvidens* S3? + + +  
 \_\_\_\_\_ Rapids Clubtail - *G. quadricolor* S1? - SR + + +  
 \_\_\_\_\_ Sable Clubtail - *G. rogersi* S2S3 - W + (+)  
 \_\_\_\_\_ Septima's Clubtail - *G. septima* S1S2 - SR + (+)  
 \_\_\_\_\_ Cobra Clubtail - *G. vaster* S3S4 (+) + +

\_\_\_\_\_ Skillet Clubtail - *G. ventricosus* S1S2 - SR +  
 \_\_\_\_\_ Green-faced Clubtail - *G. viridifrons* S1S2 - SR +  
 \_\_\_\_\_ Dragonhunter - *Hagenius brevistylus* S5 + + +  
 \_\_\_\_\_ Southern Pygmy Clubtail - *Lanthus vernalis* S3S4 +  
 \_\_\_\_\_ Brook Snaketail - *Ophiogomphus aspersus* S1S2 - SR +  
 \_\_\_\_\_ Edmund's Snaketail - *O. edmundo* S1? - SR +  
 \_\_\_\_\_ Pygmy Snaketail - *O. howei* S1S2 - SR +  
 \_\_\_\_\_ Appalachian Snaketail - *O. incurvatus* S3 (+) +  
 \_\_\_\_\_ Maine Snaketail - *O. mainensis* S2S3 - SR + (+)  
 \_\_\_\_\_ Rusty Snaketail - *O. rupinulensis* S1? - SR +

## Clubtails (GOMPHIDAE) - 46 spp. in NC

\_\_\_\_\_ Belle's Sanddragon - *Progomphus belli* S1 - SR + + +  
 \_\_\_\_\_ Common Sanddragon - *P. obscurus* S5 + + +  
 \_\_\_\_\_ Eastern Least Clubtail - *Stylogomphus albisylvius* S3S4 + + +  
 \_\_\_\_\_ Riverine Clubtail - *Stylurus amnicola* S3? - W + + +  
 \_\_\_\_\_ Shining Clubtail - *S. ivae* S3S4 + + +  
 \_\_\_\_\_ Laura's Clubtail - *S. laurae* S4 (+) + + +  
 \_\_\_\_\_ Russet-tipped Clubtail - *S. plagiatus* S4S5 (+) + + +  
 \_\_\_\_\_ Zebra Clubtail - *S. scudderi* S3? - SR + + +  
 \_\_\_\_\_ Arrow Clubtail - *S. spiniceps* S3S4 + + +  
 \_\_\_\_\_ Townes' Clubtail - *S. townesi* S1? - SR + + +

## Spiketails (CORDULEGASTRIDAE) - 4 spp. in NC

\_\_\_\_\_ Brown Spiketail - *Cordulegaster bilineata* S3S4 + + +  
 \_\_\_\_\_ Tiger Spiketail - *C. erronea* S3? - W + + +  
 \_\_\_\_\_ Twin-spotted Spiketail - *C. maculata* S5 + + +  
 \_\_\_\_\_ Arrowhead Spiketail - *C. obliqua* S3? + + +

## Cruisers (MACROMIIDAE) - 5 spp. in NC

\_\_\_\_\_ Stream Cruiser - *Didymops transversa* S5 + + +  
 \_\_\_\_\_ Allegheny River Cruiser - *Macromia alleghaniensis* S3S4 + + +  
 \_\_\_\_\_ Swift River Cruiser - *M. illinoensis* S5 + + +  
 \_\_\_\_\_ Mountain River Cruiser - *M. margarita* S2S3 - SR + + +  
 \_\_\_\_\_ Royal River Cruiser - *M. taeniolata* S4S5 + + +

## Emeralds (CORDULIDAE) - 19 spp. in NC

\_\_\_\_\_ American Emerald - *Cordulia shurtleffi* S1? - SR + + +  
 \_\_\_\_\_ Slender Baskettail - *Epitheca costalis* S5? + + +  
 \_\_\_\_\_ Common Baskettail - *E. cynosura* S5 + + +  
 \_\_\_\_\_ Prince Baskettail - *E. princeps* S5 + + +  
 \_\_\_\_\_ Mantled Baskettail - *E. semiaqua* S5 (+) + + +  
 \_\_\_\_\_ Robust Baskettail - *E. spinosa* S3S4 - W + + +  
 \_\_\_\_\_ Selys' Sundragon - *Helocordulia selysii* S4 + + +  
 \_\_\_\_\_ Uhler's Sundragon - *H. uhleri* S3S4 + + (+)  
 \_\_\_\_\_ Alabama Shadowdragon - *Neurocordulia alabamensis* S4 (+) + + +  
 \_\_\_\_\_ Smoky Shadowdragon - *N. molestus* S2S3 - SR + + +  
 \_\_\_\_\_ Umber Shadowdragon - *N. obsoleta* S4 + + +  
 \_\_\_\_\_ Cinnamon Shadowdragon - *N. virginianensis* S2S3 - SR + + +  
 \_\_\_\_\_ Stygian Shadowdragon - *N. yamasikanensis* S1S2 - SR + + +

\_\_\_\_\_ Ski-tailed Emerald - *Somatochlora elongata* S2S3 - SR + + +  
 \_\_\_\_\_ Fine-lined Emerald - *S. filosa* S5 (+) + + +  
 \_\_\_\_\_ Coppery Emerald - *S. georgiana* S3S4 + + +  
 \_\_\_\_\_ Mocha Emerald - *S. linearis* S5 + + +  
 \_\_\_\_\_ Treetop Emerald - *S. provocans* S3S4 (+) + + +  
 \_\_\_\_\_ Clamp-tipped Emerald - *S. tenebrosa* S5 + + +

## M P C

## Skimmers (LIBELLULIDAE) - 42 spp. in NC

Four-spotted Pennant - <i>Brachymesia grandidata</i>	S5	+
Amanda's Pennant - <i>Celithemis amanda</i>	S5	(+)+
Red-veined Pennant - <i>C. bertha</i>	S4S5	(+)+
Calico Pennant - <i>C. elisa</i>	S5	+ + +
Halloween Pennant - <i>C. eponina</i>	S5	+ + +
Banded Pennant - <i>C. fasciata</i>	S5	+ + +
Ornate Pennant - <i>C. ornata</i>	S5	+ + +
Double-ringed Pennant - <i>C. verna</i>	S4S5	(+)+
Swift Setwing - <i>Dythemis velox</i>	S4S5	(+)+
Eastern Pondhawk - <i>Erythemis simplicicollis</i>	S5	+ + +
Seaside Dragonlet - <i>Erythrodiplox berenice</i>	S5	+
Little Blue Dragonlet - <i>E. minuscula</i>	S5	+ + +
Blue Corporal - <i>Ladona deplanata</i>	S5	+ + +
Chalk-fronted Corporal - <i>L. julia</i>	S1 - SR	+ + +
Golden-winged Skimmer - <i>Libellula auripennis</i>	S5	+ + +
Bar-winged Skimmer - <i>L. axilena</i>	S5	+ + +
Spangled Skimmer - <i>L. cyanea</i>	S5	+ + +
Yellow-sided Skimmer - <i>L. flavida</i>	S4S5	+ + +
Slaty Skimmer - <i>L. incesta</i>	S5	+ + +
Widow Skimmer - <i>L. luctuosa</i>	S5	+ + +
Needham's Skimmer - <i>L. needhami</i>	S5	+
Twelve-spotted Skimmer - <i>L. pulchella</i>	S4?	+ + +
Painted Skimmer - <i>L. semifasciata</i>	S5	+ + +
Great Blue Skimmer - <i>L. vibrans</i>	S5	+ + +
Marl Pennant - <i>Macrodiplox balteata</i>	S2S3 - W	+
Elfin Skimmer - <i>Nannothemis bella</i>	S3S4 - W	(+)+
Roseate Skimmer - <i>Orthemis ferruginea</i>	S3? - W	(+)+
Blue Dasher - <i>Pachydiplax longipennis</i>	S5	+ + +
Wandering Glider - <i>Pantala flavescens</i>	S5	+ + +
Spot-winged Glider - <i>P. hymenaea</i>	S5	+ + +
Eastern Amberwing - <i>Perithemis tenera</i>	S5	+ + +
Common Whitetail - <i>Plathemis lydia</i>	S5	+ + +
Blue-faced Meadowhawk - <i>Sympetrum ambiguum</i>	S5	(+)+
Variegated Meadowhawk - <i>S. corruptum</i>	SA	+
White-faced Meadowhawk - <i>S. obtrusum</i>	S1? - SR	+ + +
Ruby Meadowhawk - <i>S. rubicaudulum</i>	S4S5	+ + +
Band-winged Meadowhawk - <i>S. semicinctum</i>	S3S4	+ + +
Autumn Meadowhawk - <i>S. vicinum</i>	S5	+ + +
Striped Saddlebags - <i>Tramea calverti</i>	SA	(+)+
Carolina Saddlebags - <i>T. carolina</i>	S5	+ + +
Black Saddlebags - <i>T. lacerata</i>	S5	+ + +
Red Saddlebags - <i>T. onusta</i>	SA	+ + +

## M P C

## Broad-winged Damselfs - 6 spp. in NC (CALOPTERYGIDAE)

Superb Jewelwing - <i>Calopteryx amata</i>	S3? - W	+
Appalachian Jewelwing - <i>C. angustipennis</i>	S3S4	+ + (+)
Sparkling Jewelwing - <i>C. dimidiata</i>	S5	+ + +
Ebony Jewelwing - <i>C. maculata</i>	S5	+ + +
American Rubyspot - <i>Hetaerina americana</i>	S4S5	+ + +
Smoky Rubyspot - <i>H. titia</i>	S5	+ + +

## Spreadwings (LESTIDAE) - 9 spp. in NC

Great Spreadwing - <i>Archilestes grandis</i>	S3S4	+ +
Southern Spreadwing - <i>Lestes australis</i>	S5	+ + +
Spotted Spreadwing - <i>L. congener</i>	S1? - SR	+
Amber-winged Spreadwing - <i>L. eurinus</i>	S3?	+ +
Sweetflag Spreadwing - <i>L. forcipatus</i>	S2S3 - W	(+)+
Elegant Spreadwing - <i>L. inaequalis</i>	S5	+ +
Slender Spreadwing - <i>L. rectangularis</i>	S5	+ + +
Carolina Spreadwing - <i>L. vidua</i>	S2? - W	+
Swamp Spreadwing - <i>L. vigilax</i>	S5	+ + +

## Pond Damselfs (COENAGRIONIDAE) - 38 spp. in NC

Eastern Red Damself - <i>Amphiagrion saucium</i>	S4?	+ + (+)
Blue-fronted Dancer - <i>Argia apicalis</i>	S5	+ + +
Seepage Dancer - <i>A. bipunctulata</i>	S4	+ + +
Variable Dancer - <i>A. fumipennis</i>	S5	+ + +
Powdered Dancer - <i>A. moesta</i>	S5	+ + +
Blue-ringed Dancer - <i>A. sedula</i>	S5	+ + +
Blue-tipped Dancer - <i>A. tibialis</i>	S5	+ + +
Dusky Dancer - <i>A. translata</i>	S5	+ + (+)
Aurora Damself - <i>Chromagrion conditum</i>	S4?	+ +
Azure Bluet - <i>Enallagma aspersum</i>	S5	+ + +
Double-striped Bluet - <i>E. basidens</i>	S5	+ + +
Familiar Bluet - <i>E. civile</i>	S5	+ + +
Cherry Bluet - <i>E. concisum</i>	S3?	+ + +
Attenuated Bluet - <i>E. daeckii</i>	S4	(+)+
Sandhill Bluet - <i>E. davisii</i>	S3?	+ + +
Turquoise Bluet - <i>E. divagans</i>	S5	+ + +
Atlantic Bluet - <i>E. doubledayi</i>	S5	(+)+
Burgundy Bluet - <i>E. dubium</i>	S4S5	+ +
Big Bluet - <i>E. durum</i>	S4S5	+ + +
Stream Bluet - <i>E. exsulans</i>	S5	+ + +
Skimming Bluet - <i>E. geminatum</i>	S5	+ + +
Hagen's Bluet - <i>E. hageni</i>	S3?	+ (+)
Little Bluet - <i>E. minusculum</i>	S1? - SR	+ +
Pale Bluet - <i>E. pallidum</i>	S4?	(+)+
Orange Bluet - <i>E. signatum</i>	S5	+ + +
Golden Bluet - <i>E. sulcatum</i>	S1? - SR	+ + +
Slender Bluet - <i>E. travium</i>	S5	+ + +
Vesper Bluet - <i>E. vesperum</i>	S4?	(+)+
Blackwater Bluet - <i>E. weewa</i>	S5	+ +

## M P C

## Pond Damselfs (COENAGRIONIDAE) - 38 spp. in NC

Citrine Forktail - <i>Ischnura hastata</i>	S5	+ + +
Lilypad Forktail - <i>I. kellicotti</i>	S3S4	(+)+
Fragile Forktail - <i>I. posita</i>	S5	+ + +
Furtive Forktail - <i>I. prognata</i>	S3S4	+ + +
Rambur's Forktail - <i>I. ramburii</i>	S5	(+)+
Eastern Forktail - <i>I. verticalis</i>	S4S5	+ +
Sphagnum Sprite - <i>Nehalennia gracilis</i>	S3S4	+ + +
Southern Sprite - <i>N. integricollis</i>	S3S4	+ + +
Duckweed Firetail - <i>Telebasis byersi</i>	S3S4	+ +

## Notes

Number of Significantly Rare species = 34 [18.5 %]  
 Number of Watch List species = 21 [11.4 %]

Species known from a single NC county.

Gray-green Clubtail - Pender  
 Beaverpond Clubtail - Mitchell  
 Rusty Snaketail - Alleghany  
 Belle's Sanddragon - Bladen  
 American Emerald - Burke; M  
 Chalk-fronted Corporal - Jackson  
 Variegated Meadowhawk - Carteret  
 Little Bluet - Bladen  
 Golden Bluet - Columbus

Species known from only two NC counties.

Black-tipped Darner - Burke; M and Wilkes; M  
 Green-striped Darner - Burke; M and Henderson  
 Clearlake Clubtail - Brunswick and New Hanover  
 Sandhill Clubtail - Bladen and Brunswick  
 Cherokee Clubtail - Burke; P and Davie  
 Harpoon Clubtail - Avery and Haywood  
 Rapids Clubtail - Chatham and Moore; P  
 Green-faced Clubtail - Alleghany and Ashe  
 Edmund's Snaketail - Burke; P and Caldwell  
 Pygmy Snaketail - Alleghany and Burke; M  
 Townes' Clubtail - Columbus and Robeson  
 Stygian Shadowdragon - Alleghany and Madison  
 Spotted Spreadwing - Alleghany and Watauga

Developed by:  
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