

Vermont ODONATA FIELD CARD

This card includes species compiled by the Vermont Damselfly and Dragonfly Survey.
Please report data to Bryan Pfeiffer (bryan.pfeiffer@uvm.edu) or at our website:
<http://val.vtcostudies.org/projects/vermont-damselfly-and-dragonfly-atlas/>

	Site 1	Site 2	Site 3
Site Name			
Date			
Time: Start / Stop			
Location (Lat / Long)			
Habitat			

Photo Voucher Evidence describes the image necessary for incontrovertible identification. For many species, a dorsal or lateral photo (even at some distance) is fine. Some—damers in the genus *Aeshna*, for example—require a lateral view of the thorax. Others require capture and a close-up image of the male's terminal appendages (cerci) or female's subgenital plate below the 8th and 9th abdominal segments (S8-9).

			Site		
		Photo Voucher Evidence	1	2	3
DAMSELFLIES (Zygoptera)	Status				
Jewelwings (Calopterygidae)					
River Jewelwing (<i>Calopteryx aequabilis</i>)	S5	lateral			
Superb Jewelwing (<i>Calopteryx amata</i>)	S4	lateral			
Ebony Jewelwing (<i>Calopteryx maculata</i>)	S5	lateral			
American Rubyspot (<i>Hetaerina americana</i>)	S2S3 SGCN	lateral			
Spreadwings (Lestidae)					
Great Spreadwing (<i>Archilestes grandis</i>)	SNA	lateral			
Spotted Spreadwing (<i>Lestes congener</i>)	S5	ventro-lateral thorax			
Northern Spreadwing (<i>Lestes disjunctus</i>)	S5	M: dorsal cerci F: lateral S8-10			
Emerald Spreadwing (<i>Lestes dryas</i>)	S5	M: any angle F: lateral S8-10			
Amber-winged Spreadwing (<i>Lestes eurinus</i>)	S4	M: lateral thorax F: lateral S8-10			
Sweetflag Spreadwing (<i>Lestes forcipatus</i>)	S4S5	M: dorsal cerci F: lateral S8-10			
Elegant Spreadwing (<i>Lestes inaequalis</i>)	S4S5	M: dorsal cerci F: lateral S8-10			
Slender Spreadwing (<i>Lestes rectangularis</i>)	S5	dorsal or lateral including wingtips			
Lyre-tipped Spreadwing (<i>Lestes unguiculatus</i>)	S3S4	M: dorsal cerci F: lateral S8-10			
Swamp Spreadwing (<i>Lestes vigilax</i>)	S5	M: dorsal cerci F: lateral S8-10			
Pond Damselflies (Coenagrionidae)					
Eastern Red Damselfly (<i>Amphiagrion saucium</i>)	S5	dorsal or lateral			
Blue-fronted Dancer (<i>Argia apicalis</i>)	S3 SGCN	dorsal or lateral			
Violet (Variable) Dancer (<i>Argia fumipennis</i>)	S5	dorsal or lateral			
Powdered Dancer (<i>Argia moesta</i>)	S5	dorsal or lateral			
Aurora Damselfly (<i>Chromagrion conditum</i>)	S5	dorsal or lateral			
Subarctic Bluet (<i>Coenagrion interrogatum</i>)	SHSU SGCN	dorsal or lateral			
Taiga Bluet (<i>Coenagrion resolutum</i>)	S4S5	dorsal or lateral			

		Photo Voucher Evidence	1	2	3
Ringed Emerald (<i>Somatochlora albicincta</i>)	S1 SGCN	M: dorsal cerci F: ventral S8-9			
Lake Emerald (<i>Somatochlora cingulata</i>)	S1S2 SGCN	M: dorsal cerci F: ventral S8-9			
Ski-tipped Emerald (<i>Somatochlora elongata</i>)	S3 SGCN	M: lateral F: lateral S8-9			
Forcinate Emerald (<i>Somatochlora forcipata</i>)	S2S3 SGCN	M: dorsal cerci F: ventral S8-9			
Delicate Emerald (<i>Somatochlora franklini</i>)	S1S2 SGCN	M: lateral cerci F: ventral S8-9			
Incurvate Emerald (<i>Somatochlora incurvata</i>)	S1	M: lateral cerci F: ventral S8-9			
Kennedy's Emerald (<i>Somatochlora kennedyi</i>)	S1S2 SGCN	M: lateral cerci F: ventral S8-9			
Ocellated Emerald (<i>Somatochlora minor</i>)	S2	M: lateral cerci F: lateral S8-9			
Clamp-tipped Emerald (<i>Somatochlora tenebrosa</i>)	S3S4	M: lateral cerci F: lateral S8-9			
Brush-tipped Emerald (<i>Somatochlora walshii</i>)	S4	M: lateral cerci F: ventral S8-9			
Williamson's Emerald (<i>Somatochlora williamsoni</i>)	S3S4	M: lateral F: lateral S8-9			
Ebony Boghaunter (<i>Williamsonia fletcheri</i>)	S1S2 SGCN	dorsal or lateral			
Skimmers (Libellulidae)					
Calico Pennant (<i>Celithemis elisa</i>)	S5	dorsal or lateral			
Halloween Pennant (<i>Celithemis eponina</i>)	S4	dorsal or lateral			
Banded Pennant (<i>Celithemis fasciata</i>)	SNR	dorsal or lateral			
Common (Eastern) Pondhawk (<i>Erythemis simplicicollis</i>)	S5	dorsal or lateral			
White Corporal (<i>Ladona exusta</i>)	SU SGCN	dorsal or lateral			
Chalk-fronted Corporal (<i>Ladona julia</i>)	S5	dorsal or lateral			
Frosted Whiteface (<i>Leucorrhinia frigida</i>)	S4S5	M: dorsal F: ventral S8-9			
Crimson-ringed Whiteface (<i>Leucorrhinia glacialis</i>)	S4	M: dorsal F: ventral S8-9			
Hudsonian Whiteface (<i>Leucorrhinia hudsonica</i>)	S4S5	M: dorsal F: ventral S8-9			
Dot-tailed Whiteface (<i>Leucorrhinia intacta</i>)	S5	M: dorsal F: ventral S8-9			
Belted (Red-waisted) Whiteface (<i>Leucorrhinia proxima</i>)	S4S5	M: dorsal F: ventral S8-9			
Spangled Skimmer (<i>Libellula cyanea</i>)	S2	dorsal			
Slaty Skimmer (<i>Libellula incesta</i>)	S5	M: dorsal F: lateral			
Widow Skimmer (<i>Libellula luctuosa</i>)	S5	dorsal or lateral			
Twelve-spotted Skimmer (<i>Libellula pulchella</i>)	S5	dorsal or lateral			
Four-spotted Skimmer (<i>Libellula quadrimaculata</i>)	S5	dorsal or lateral			
Painted Skimmer (<i>Libellula semifasciata</i>)	SU SGCN	dorsal or lateral			
Elfin Skimmer (<i>Nannothemis bella</i>)	S3	dorsal or lateral			
Blue Dasher (<i>Pachydiplax longipennis</i>)	S5	dorsal or lateral			
Wandering Glider (<i>Pantala flavescens</i>)	S3S4B	dorsal or lateral			
Spot-winged Glider (<i>Pantala hymenaea</i>)	S3S4B	dorsal or lateral			
Eastern Amberwing (<i>Perithemis tenera</i>)	S4S5	dorsal or lateral			
Common Whitetail (<i>Platthemis lydia</i>)	S5	dorsal or lateral			
Saffron-winged Meadowhawk (<i>Sympetrum costiferum</i>)	S3	dorsal or lateral			
Black Meadowhawk (<i>Sympetrum danae</i>)	S1S2 SGCN	dorsal or lateral			
Cherry-faced Meadowhawk (<i>Sympetrum internum</i>)	S5	M: hamules F: ventral S8-9			
White-faced Meadowhawk (<i>Sympetrum obtrusum</i>)	S5	M: hamules F: ventral S8-9			
Band-winged Meadowhawk (<i>Sympetrum semicinctorum</i>)	S4S5	dorsal or lateral			
Autumn Meadowhawk (<i>Sympetrum vicinum</i>)	S5	M: dorsal or lateral F: lateral			
Carolina Saddlebags (<i>Tamea carolina</i>)	SNA	dorsal or lateral			
Black Saddlebags (<i>Tamea lacerata</i>)	S4B	dorsal or lateral			

Conservation Status Codes: S1-Very rare (Critically imperiled), S2-Rare (Imperiled), S3-Uncommon (Vulnerable), S4-Common to uncommon (Apparently secure), S5-Common (Secure), SH-Possibly extinct, SX - Presumed extinct/extirpated, SU-Status Unknown, Unrankable, SGCN-Species of Greatest Conservation Need

		Photo Voucher Evidence	1	2	3
River Bluet (<i>Enallagma anna</i>)	SNR	M: cerci F: specimen			
Rainbow Bluet (<i>Enallagma antennatum</i>)	S2S3 SGCN	dorsal or lateral			
Azure Bluet (<i>Enallagma aspersum</i>)	S4	dorso-lateral			
Double-striped Bluet (<i>Enallagma basidens</i>)	SNA	dorso-lateral			
Boreal Bluet (<i>Enallagma boreale</i>)	S4S5	M: lateral cerci F: specimen			
Tule Bluet (<i>Enallagma carunculatum</i>)	S5	M: lateral cerci F: specimen			
Familiar Bluet (<i>Enallagma civile</i>)	S4S5	M: lateral cerci F: specimen			
Northern Bluet (<i>Enallagma annexum</i>)	S3S4	M: lateral cerci F: specimen			
Turquoise Bluet (<i>Enallagma divagans</i>)	SNA	M: lateral cerci F: specimen			
Marsh Bluet (<i>Enallagma ebrium</i>)	S5	M: lateral cerci F: specimen			
Stream Bluet (<i>Enallagma exulans</i>)	S5	dorso-lateral			
Skimming Bluet (<i>Enallagma geminatum</i>)	S5	dorsal and lateral			
Hagen's Bluet (<i>Enallagma hageni</i>)	S5	M: lateral cerci F: specimen			
New England Bluet (<i>Enallagma laterale</i>)	S1 SGCN	M: lateral F: specimen			
Orange Bluet (<i>Enallagma signatum</i>)	S5	dorso-lateral			
Slender bluet (<i>Enallagma triviatum</i>)	S1S2 SGCN	dorso-lateral			
Springtime Bluet (<i>Enallagma vernale</i>)	S4 SGCN	M: lateral cerci F: specimen			
Vesper Bluet (<i>Enallagma vesperum</i>)	S4	dorso-lateral			
Citrine Forktail (<i>Ischnura hastata</i>)	SNA	dorso-lateral			
Lilypad Forktail (<i>Ischnura kellicotti</i>)	S1S2 SGCN	dorso-lateral			
Fragile Forktail (<i>Ischnura posita</i>)	S4S5	M: dorso-lateral F: thorax			
Eastern Forktail (<i>Ischnura verticalis</i>)	S5	M: dorso-lateral F: thorax			
Sphagnum Sprite (<i>Nehalennia gracilis</i>)	S3	M: dorso-lateral F: prothorax			
Sedge Sprite (<i>Nehalennia irene</i>)	S5	M: dorso-lateral F: prothorax			
DRAGONFLIES (ANISOPTERA)					
Petalails (Petaluridae) & Darners (Aeshnidae)					
Gray Petaltail (<i>Tachopteryx thoreyi</i>)	SU SGCN	dorsal or lateral			
Canada Darner (<i>Aeshna canadensis</i>)	S5	lateral thorax (and face)			
Mottled Darner (<i>Aeshna clepsydra</i>)	S2S3 SGCN	lateral thorax			
Lance-tipped Darner (<i>Aeshna constricta</i>)	S5	lateral thorax			
Lake Darner (<i>Aeshna eremita</i>)	S4S5	lateral thorax (and face)			
Variable Darner (<i>Aeshna interrupta</i>)	S5	lateral thorax			
Zigzag Darner (<i>Aeshna sitchensis</i>)	SU SGCN	lateral thorax			
Subarctic Darner (<i>Aeshna subarctica</i>)	S1 SGCN	lateral thorax			
Black-tipped Darner (<i>Aeshna tuberculifera</i>)	S4	lateral thorax			
Shadow Darner (<i>Aeshna umbrosa</i>)	S5	lateral thorax			
Green-striped Darner (<i>Aeshna verticalis</i>)	S3S4 SGCN	lateral thorax			
Common Green Darner (<i>Anax junius</i>)	S5	dorsal or lateral			
Comet Darner (<i>Anax longipes</i>)	SU SGCN	dorsal or lateral			
Springtime Darner (<i>Basiaeschna janata</i>)	S5	dorsal or lateral			
Ocellated Darner (<i>Boyeria grafiana</i>)	S4	dorsal			
Fawn Darner (<i>Boyeria vinosa</i>)	S5	dorsal			
Swamp Darner (<i>Epiaeschna heros</i>)	SU SGCN	dorsal or lateral			
Harlequin Darner (<i>Gomphaeschna</i>)	S2S3 SGCN	dorsal or lateral			
Cyrano Darner (<i>Nasiaeschna pentacantha</i>)	S1 SGCN	dorsal or lateral			
Spatterdock Darner (<i>Rhionaeschna mutata</i>)	S1 SGCN	dorsal or lateral			

		Photo Voucher Evidence	1	2	3
Clubtails (Gomphidae)					
Lilypad Clubtail (<i>Arigomphus furcifer</i>)	S3S4	M: dorsal cerci F: ventral S8-9			
Unicorn Clubtail (<i>Arigomphus villosipes</i>)	S3	M: dorsal cerci F: ventral S8-9			
Black-shouldered Spinyleg (<i>Dromogomphus</i>)	S4S5	dorsal or lateral			
Midland Clubtail (<i>Gomphurus fraternus</i>)	SNR	M: dorsal F: ventral S8-9			
Cobra Clubtail (<i>Gomphurus vastus</i>)	S1 SGCN	M: dorsal F: ventral S8-9			
Skillet Clubtail (<i>Gomphurus ventricosus</i>)	S1 SGCN	M: dorsal F: ventral S8-9			
Spine-crowned Clubtail (<i>Hylogomphus abbreviatus</i>)	S1S2 SGCN	M: face, dorsal F: ventral S8-9			
Mustached Clubtail (<i>Hylogomphus adelphus</i>)	S3	M: face, dorsal F: ventral S8-9			
Beaverpond Clubtail (<i>Phanogomphus borealis</i>)	S4	M: dorsal & cerci F: ventral S8-9			
Harpoon Clubtail (<i>Phanogomphus descriptus</i>)	S3	M: dorsal & cerci F: ventral S8-9			
Lancet Clubtail (<i>Phanogomphus exilis</i>)	S4S5	M: dorsal & cerci F: ventral S8-9			
Ashy Clubtail (<i>Phanogomphus lividus</i>)	S2S3	M: dorsal & cerci F: ventral S8-9			
Rapids Clubtail (<i>Phanogomphus quadricolor</i>)	S2 SGCN	M: dorsal & cerci F: ventral S8-9			
Dusky Clubtail (<i>Phanogomphus spicatus</i>)	S5	M: dorsal & cerci F: ventral S8-9			
Dragonhunter (<i>Hagenius brevistylus</i>)	S3S4	dorsal or lateral			
Northern Pygmy Clubtail (<i>Lanthus parvulus</i>)	S4	M: lateral thorax F: ventral S8-9			
Southern Pygmy Clubtail (<i>Lanthus vernalis</i>)	S3	M: lateral thorax F: ventral S8-9			
Brook Snaketail (<i>Ophiogomphus aspersus</i>)	S4 SGCN	M: cerci, dorsal F: ventral S8-9			
Riffle Snaketail (<i>Ophiogomphus carolus</i>)	S4S5 SGCN	M: cerci, dorsal F: ventral S8-9			
Maine Snaketail (<i>Ophiogomphus mainensis</i>)	S3 SGCN	M: cerci, dorsal F: ventral S8-9			
Rusty Snaketail (<i>Ophiogomphus rupinsulensis</i>)	S3? SGCN	dorsal or lateral			
Common Sanddragon (<i>Progomphus obscurus</i>)	SNA	dorsal or lateral			
Eastern Least Clubtail (<i>Stylogomphus albistylus</i>)	S4	dorsal or lateral			
Riverine clubtail (<i>Stylurus amnicola</i>)	S1 SGCN	dorsal or lateral			
Zebra Clubtail (<i>Stylurus scudderii</i>)	S3S4 SGCN	dorsal or lateral			
Arrow Clubtail (<i>Stylurus spiniceps</i>)	S3S4	dorsal or lateral			
Spiketails (Cordulegastridae)					
Delta-spotted Spiketail (<i>Cordulegaster diastatops</i>)	S5	dorsal or lateral			
Tiger Spiketail (<i>Cordulegaster erronea</i>)	SU	dorsal or lateral			
Twin-spotted Spiketail (<i>Cordulegaster maculata</i>)	S5	dorsal or lateral			
Arrowhead Spiketail (<i>Cordulegaster obliqua</i>)	S1S2	dorsal or lateral			
Cruisers (Macromiidae)					
Stream Cruiser (<i>Didymops transversa</i>)	S5	dorsal or lateral			
Swift (Illinois River Cruiser (<i>Macromia illinoensis</i>))	S4	dorsal or lateral			
Emeralds (Corduliidae)					
American Emerald (<i>Cordulia shurtleffii</i>)	S5	M: dorso-lateral F: vent S8-9			
Petite Emerald (<i>Dorocordulia lepida</i>)	S3 SGCN	M: dorso-lateral F: vent S8-9			
Racket-tailed Emerald (<i>Dorocordulia libera</i>)	S5	M: dorsal F: ventral S8-9			
Beaverpond Baskettail (<i>Epithea canis</i>)	S5	M: cerci, dorsal F: ventral S8-9			
Common Baskettail (<i>Epithea cynosura</i>)	S5	M: cerci, dorsal F: ventral S8-9			
Prince Baskettail (<i>Epithea princeps</i>)	S5	dorsal or lateral			
Spiny Baskettail (<i>Epithea spinigera</i>)	S4	M: cerci, dorsal F: ventral S8-9			
Uhler's Sundragon (<i>Helocordulia uhleri</i>)	S3S4	M: dorsal F: ventral S8-9			
Stygian Shadowdragon (<i>Neurocordulia yamaskanensis</i>)	S3 SGCN	dorsal			