

NParks Community in Nature Biodiversity Watch Dragonfly Watch



The NParks Dragonfly Watch is a biannual survey on dragonfly and damselfly diversity in waterbodies around Singapore. Volunteers are trained to recognise 19 species of dragonfly and 4 species of damselfly which are commonly spotted. They are then assigned to various parks and nature areas to conduct the survey during a specified period. The survey results from 21 to 29 Mar* and 22 to 30 Aug 2020 are summarised below.

**Only part of the survey was completed due to the implementation of COVID-19 social distancing measures.*

OVERVIEW

	 volunteers	 sites	 dragonflies	 species
March	90	29	1486	39
August	175	40	4333	43

TOP SITES FOR DRAGONFLY SPECIES DIVERSITY

For simplicity, we are using the broad term of 'dragonfly' here to refer to both dragonflies and damselflies.

** Average total species abundance/richness across surveyed sites*

SPECIES ABUNDANCE

SPECIES RICHNESS

	SPECIES ABUNDANCE	SPECIES RICHNESS
March	1. Springleaf Nature Park (238.0)	1. Tampines Eco Garden (14.0)
	2. Lorong Halus Wetland (109.0)	2. Lorong Halus Wetland (9.5)
	3. Bukit Batok Town Park (77.0)	3. Springleaf Nature Park (9.0)
	AVERAGE* 32.58	AVERAGE* 5.99
August	1. Springleaf Nature Park (197.0)	1. Springleaf Nature Park /Seletar Reservoir Park (14.0)
	2. Lorong Halus Wetland (108.3)	2. Punggol Waterway (13.5)
	2. Singapore Sports Hub (96.3)	3. Windsor Nature Park /Labrador Nature Park (13.0)
	AVERAGE* 31.91	AVERAGE* 7.17

MOST COMMONLY RECORDED SPECIES

* Average percentage species abundance across sites



Blue Sprite
(*Pseudagrion microcephalum*)



Common Scarlet
(*Crocothemis servilia*)



Common Parasol
(*Neurothemis fluctuans*)



Common Bluetail
(*Ischnura senegalensis*)



Blue Dasher
(*Brachydiplax chalybea*)



Variegated Green Skimmer
(*Orthetrum sabina*)

Photo credit: Robin Ngiam

March

- | | | |
|----|-----------------|----------|
| 1. | Blue Sprite | (23.71%) |
| 2. | Common Scarlet | (18.07%) |
| 3. | Common Parasol | (14.01%) |
| 4. | Common Bluetail | (10.34%) |
| 5. | Blue Dasher | (4.51%) |

August

- | | | |
|----|--------------------------|----------|
| 1. | Common Scarlet | (24.00%) |
| 2. | Common Parasol | (15.76%) |
| 3. | Blue Sprite | (11.85%) |
| 4. | Blue Dasher | (9.09%) |
| 5. | Variegated Green Skimmer | (6.75%) |

NOTABLE SPECIES



Emperor¹
(*Anax guttatus*)



Blue-spotted Flatwing²
(*Podolestes orientalis*)



Saddleback Glider³
(*Tamea transmarina*)



Water Monarch⁴
(*Hydrobasileus croceus*)

For more information, visit
www.nparks.gov.sg/dragonflywatch



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Photo credit: Robin Ngiam (1), Cai Yixiong (2), Lim Poh Chuan (3), Yong Hwee Wen (4)