

臺灣蜻蜓目紅皮書名錄

The Red List of Dragonflies and Damselflies of Taiwan



農業部林業及自然保育署

Forestry and Nature Conservation Agency, MOA, R.O.C. (Taiwan)



作者
Authors

李宜龍
I-Lung Lee

周詠鈞
Yung-Chun Chou

胡芳碩
Fang-Shuo Hu

馬承漢
Cheng-Han Ma

陳賜隆
Szu-Lung Chen

葉文琪
Wen-Chi Yeh

羅吉民
Chi-Ming Lou

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封面照片 /

■ *Ischnura rubilio*
朝雲細蟴 Wandering Bluetail
胡芳碩 / 提供

目錄照片 /

■ *Libellago lineata lineata*
脊紋鼓蟴 Lineated Orange Jewel
胡芳碩 / 提供

臺灣蜻蜓目紅皮書名錄

李宜龍^{1,*}、周詠鈞^{1,2}、胡芳碩^{1,3}、馬承漢¹、陳賜隆^{1,4}、葉文琪^{1,5}、羅吉民¹

¹ 社團法人臺灣蜻蜓學會 ² 農業部林業試驗所 蓮華池研究中心 ³ 哥本哈根大學 丹麥自然史博物館

⁴ 臺北市立動物園 保育研究中心 ⁵ 農業部林業試驗所 森林保護組

* 通訊作者：Taiwandragonfly@gmail.com

摘要

本名錄彙整臺灣的蜻蜓目名錄，總計有 16 科 159 種 / 亞種，並依據國際自然保育聯盟威脅評估系統與準則 (International Union for Conservation of Nature threat assessment system and criteria) 針對其中 143 種 / 亞種進行區域性的紅皮書評估，其中 1 種赤衣蜻蜓被認為已經區域滅絕 (Regional Extinct)，另有 31 種被歸類在受脅類別，包含 10 種國家極度瀕危 (Nationally Critically Endangered)：簾格鼓蟴、黃腹細蟴、朱紅細蟴、朝雲細蟴、四斑細蟴、短缺晏蜓、臺灣弓蜓、雙截蜻蜓、白刃蜻蜓、黃尾笄蜓；16 種被列為國家瀕危種 (Nationally Endangered)；5 種為國家易受害 (Nationally Vulnerable)。其餘 111 種類中，國家接近受脅 (Nationally Near Threatened) 列有 21 種；國家暫無危機 (Nationally Least Concern) 列有 83 種，資料缺乏 (Data Deficient) 列有 7 種。

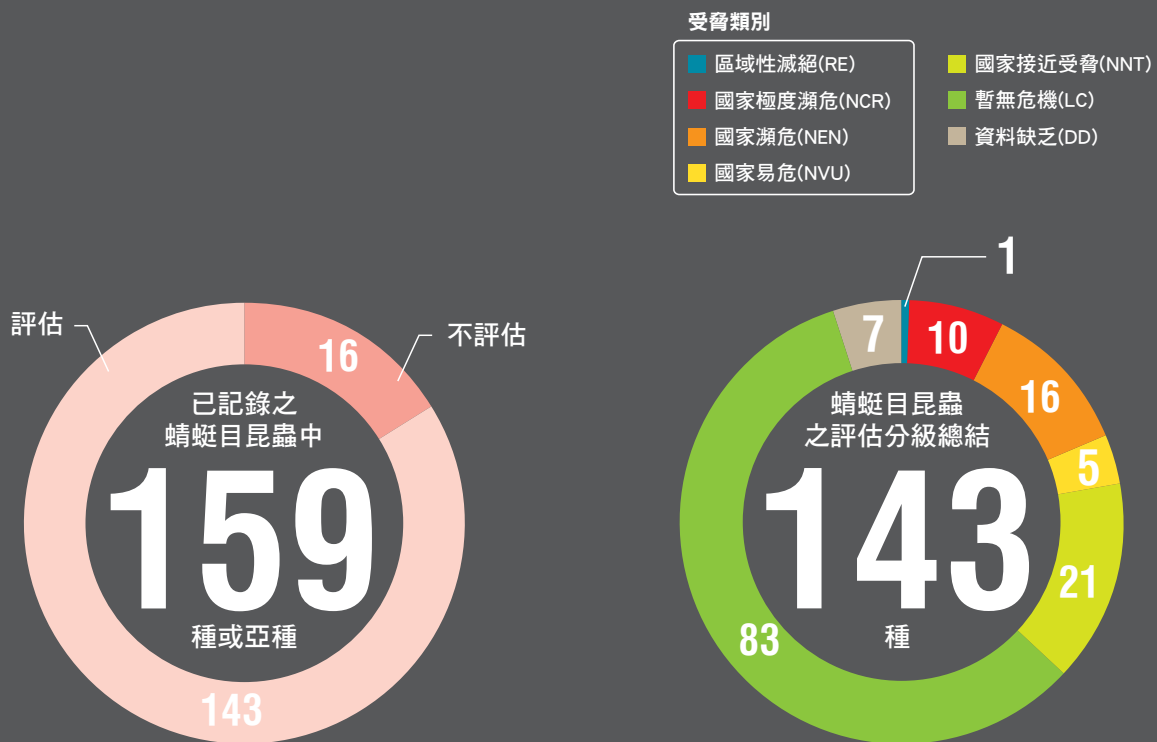


圖 1. 臺灣 159 種或亞種已記錄之蜻蜓目昆蟲中，本報告針對 143 種或亞種進行評估，16 種為季節性遷移物種與疑問種而被排除。

圖 2. 臺灣 143 種蜻蜓目昆蟲之評估分級總結。



1. 前言

蜻蜓目 (Odonata) 包括蜻蜓與豆娘，是古老的捕食性昆蟲，目前全球已知有 6,407 種 (Paulson *et al.* 2024)，主要分布於淡水生態系中。由於其成蟲階段易於觀察且具生態重要性，常被視為淡水水域棲地品質的生物指標 (Simaika & Samways 2009, 2012)，在生物多樣性保育上也被認為具有作為濕地保護傘種 (Umbrella species) (Bried *et al.* 2007) 的潛力。國際自然保育聯盟 (IUCN) 瀕危物種紅皮書 (IUCN Red List of Threatened Species) 是目前全球最全面的動植物保護現狀名錄，依特定標準針對物種進行保育評估。除了全球紅皮書之外，區域性紅皮書亦為蜻蜓目保育提供重要資訊，例如在歐洲 (Kalkman *et al.* 2010)、地中海地區 (Riservato *et al.* 2009) 以及北非 (García *et al.* 2010) 等地區皆已進行區域性評估，這些區域性評估強調了不同地理區域內的威脅差異，凸顯了為特定地區量身訂製保育策略的必要性。

儘管有關蜻蜓與豆娘的研究在無脊椎動物中相對較多，但其知識空缺仍顯著高於脊椎動物，約有 30% 的物種在全球紅皮書中被歸類為資料不足 (DD)，而鳥類僅不到 1%，哺乳動物約有 13% (IUCN 2024)，若未及時採取保育作為，許多物種可能在被發現前便已滅絕，或成為極危物種。此外，雖然紅皮書並無法律效力，但仍對保育經營管理具有重要影響力，得以提供規劃保育政策時的重要參考依據，將保育工作與紅皮書的調查結果結合，可以加強對受脅物種的保護。

耀沂蛛蜓的棲地
胡芳碩 / 提供

2. 評估流程

2.1 名錄彙整及界定評估類群

Lieftinck *et al.* (1984) 發表「臺灣蜻蜓名錄 (Catalogue of Taiwanese dragonflies)」為近年唯一的正式名錄，在此之後，陸續有不同作者出版有關臺灣蜻蜓目的圖鑑，並羅列了不同種數的名錄 (Wang 2000, Tsou 2005, Lin & Yang 2016, Tsou 2023)，然而自 1984 年後，臺灣產蜻蜓目有諸多種類增減與學名異動，因此現有名錄亦須調整，本報告最終修訂出臺灣產蜻蜓目名錄為 16 科 159 種 / 亞種，其中 26 種為特有種或特有亞種。本報告之評估物種也依此名錄進行篩選，並根據國際自然保育聯盟威脅評估系統與準則排除季節性遷移的物種與疑問種，總計共 16 種。最終納入評估的種類為 143 種 / 亞種。



2.2 評估標準

本報告依據《IUCN 紅皮書名錄類別與標準使用指南》(IUCN Standards and Petitions Subcommittee, 2024) 進行評估，然而因該指南並無說明如何評估接近受脅 (Near Threatened, NT) 等級，因此本文參考 IUCN 紅皮書分級標準設定 NNT 之評估標準。並依循五項判定標準：A. 族群量下降 (Population size reduction)、B. 分布範圍 (Geographic range size, and fragmentation, decline, or fluctuations)、C. 族群量小且下降 (Small population size and fragmentation, decline, or fluctuations)、D. 族群數量極少且分布侷限 (Very small population or very restricted distribution)，以及 E. 量化分

析滅絕風險 (Quantitative analysis of extinction risk)。每項標準下設有次要標準 (Subcriterion) 及資格限制 (Qualifiers) (表 1)。經評估後，滅絕風險主要分為以下三種等級：滅絕 (Extinct, EX)、野外滅絕 (Extinct in the wild, EW) 和區域滅絕 (Regionally Extinct, RE)；受脅狀態有以下三種：國家極危 (Nationally Critically Endangered, NCR)、國家瀕危 (Nationally Endangered, NEN) 和國家易危 (Nationally Vulnerable, NVU)，而非受脅類別為國家接近受脅 (Nationally Near Threatened, NNT) 和國家暫無危機 (Nationally Least Concern, NLC) 則作為瞭解物種族群現況的依據。

表 1. IUCN 紅皮書受脅 (極危、瀕危、易危) 及接近受脅類別評估標準摘要，依據《IUCN 紅皮書名錄類別與標準使用指南》(IUCN Standards and Petitions Subcommittee, 2024) 進行修訂。

紅皮書受脅類別判定標準	極危 (CR)	瀕危 (EN)	易危 (VU)	接近受脅 (NT)
A. 族群量下降 (時間區間為 10 年或 3 個世代，以較長者為優先)				
A1	≥ 90%	≥ 70%	≥ 50%	≥ 30%
A2, A3, A4	≥ 80%	≥ 50%	≥ 30%	≥ 20%

- A1. 根據以下列舉任何方式觀察、估計、推斷或者猜測得知物種減少已經發生，而造成減少的原因明顯是可逆、已知並且已經停止。
- 直接觀察 [A3 除外]。
 - 適合該分類群的物種豐度指數。
 - 分布範圍、占有面積或棲地品質減少或下降。
 - 實際或潛在的開發破壞。
 - 直接觀察受外來種、雜交種、病原、汙染源、競爭者或寄生者之影響。
- A2. 經由 A1 所列舉任何方式所觀察、推估、推測或懷疑物種族群降低已經發生，但造成降低的原因仍未停止、不明或不可逆。
- A3. 經由 A1 所列舉任何方式所預估、推測或懷疑物種族群未來近期內會降低 (時間最長為 100 年)。
- A4. 經由 A1 所列舉任何方式所觀察、推估、推測或懷疑物種族群未來任何一段時間會降低，造成降低的原因仍未停止、不明或不可逆。



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紅皮書受脅類別判定標準	極危 (CR)	瀕危 (EN)	易危 (VU)	接近受脅 (NT)
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B. 分布範圍之判定標準 (至少具備 B1 或 B2 其中之一的條件)

B1. 分布範圍 (EOO)	< 100 km ²	< 5,000 km ²	< 20,000 km ²	< 20,000 km ²
B2. 占有面積 (AOO)	< 10 km ²	< 500 km ²	< 2,000 km ²	< 2,000 km ²

且族群需遭遇以下至少兩種情況 (至少一種狀況適用於 NT 類別)

(a) 嚴重破碎化或居留區數目為右項數值者	= 1	≤ 5	≤ 10	≤ 10
(b) 經由觀察、推估、推測或預估，下列各項情況之一的數值仍持續下降者：(i) 分布範圍；(ii) 占有面積；(iii) 棲地之區域、實際面積或品質；(iv) 生長地點或亞族群之數目；(v) 能繁殖之成熟個體數				
(c) 下列各項情況之一的數值呈劇烈變動時：(i) 分布範圍；(ii) 占有面積；(iii) 棲地之區域、實際面積或品質；(iv) 生長地點或亞族群之數目；(v) 能繁殖之成熟個體數				

C. 族群量小且下降之判定標準

族群內之成熟個體數	< 250	< 2,500	< 10,000	< 20,000
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且具備 C1 或 C2 其中之一的條件

C1. 經由觀察、推估或預估物種族群成熟個體數持續下降。(時間至少為未來 100 年)	3 年或下一代下降 25%	5 年或下一代下降 20%	10 年或下一代下降 10%	10 年或下一代下降 10%
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C2. 經由觀察、推估或預估，能繁殖之成熟個體數持續下降，而且其族群結構遭遇下列至少一種情況者：

a(i) 每個亞族群能繁殖之成熟個體數	≤ 50	≤ 250	≤ 1,000	≤ 1,000
a(ii) 單一亞族群占成熟個體總數之百分比	90%	95%	100%	100%

(b) 成熟個體呈現劇烈變動

D. 族群數量極少或分布侷限之判定標準

族群遭以下情況：

D. 成熟個體數	< 50	< 250	D1. < 1,000	D1. < 2,500
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與 / 或遭遇以下情況

D2. 出現面積受限或位於居留區的族群在未來有可能會面臨威脅，使之受脅程度提升至極危或瀕危類別 (此標準只用於評估易危及接近受脅類別)。	NA	NA	占有面積 < 20km ² 或居留區數量 ≤ 5	占有面積 < 20km ² 或居留區數量 ≤ 5
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E. 量化分析

在野外滅絕之機率	10 年內或三個世代內野外滅絕機率超過 50% (最長 100 年)	20 年內或五個世代內野外滅絕機率超過 20% (最長 100 年)	100 年內野外滅絕機率超過 10%	100 年內野外滅絕機率超過 5%
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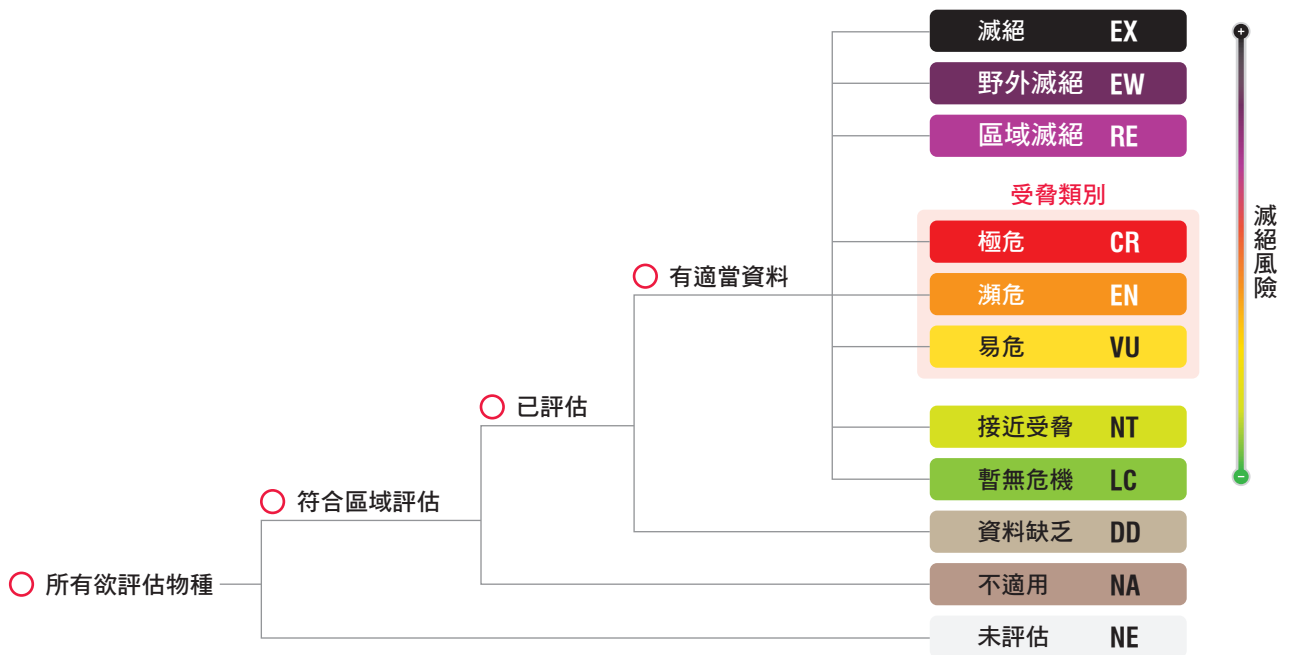


圖 1. IUCN 國家或區域紅皮書類別。



2.3 過去資料盤點及野外調查

本評估的參考依據整合了以下資料來源，包含 iNaturalist 約 4 萬 3 千筆、私人蜻蜓觀察資料系統約 11 萬 3 千筆，林業試驗所標本館 1493 筆與國立中興大學昆蟲標本館 1077 筆，與野外調查 685 筆；其中蜻蜓觀察資料系統的資料因為尚有授權問題，所以僅做為參考資料。

2.4 評估流程

首先根據參考資料由臺灣蜻蜓學會團隊根據分布狀況及族群趨勢，進行初步評估，並邀集國內執行有關特定蜻蜓目物種調查的相關單位，再次確認部分物種的族群、棲地概況，確認評估結果。之後，邀請國內蜻蜓目昆蟲專家及學者進行再次評估，確認評估結果符合現況，作為最終的評估依據。

窄胸春蜓的棲地
胡芳碩 / 提供



3. 臺灣蜻蜓目紅皮書評估結果

進行評估的 143 種中，1 種被認為已經區域滅絕，其他有 31 個物種被歸類在受脅類別，其中有 10 種被列為國家極度瀕危 (NCR)，有 16 種被列為國家瀕危種 (NEN)，國家易受害 (NVU) 的種類有 5 種。另外，國家接近受脅 (NNT) 的有 20 種，暫無危機 (LC) 的有 84 種，資料缺乏 (DD) 的有 7 種。



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3.1 區域滅絕 (RE) 類別蜻蜓目名錄

分類群	2025 臺灣紅皮書類別	2025 全球紅皮書類別
<i>Sympetrum baccha baccha</i> (Selys, 1884) 赤衣蜻蜓	RE	LC

3.2 國家級極危 (NCR) 類別蜻蜓目名錄

分類群	2025 臺灣紅皮書類別	2025 全球紅皮書類別
<i>Aristocypha baibarana</i> (Matsumura, 1931) 簾格鼓蟴	NCR A+B+C+E	-
<i>Ceriagrion melanurum</i> Selys, 1876 黃腹細蟴	NCR A2abce+D1	LC
<i>Ceriagrion nipponicum</i> Asahina, 1967 朱紅細蟴	NCR B2a+C+D	LC
<i>Ischnura rubilio</i> (Selys, 1876) 朝雲細蟴	NCR B2ab(iii+iv) c(i+ii+iii+iv)+C+D	LC
<i>Mortonagrion Hirosei</i> Asahina, 1972 四斑細蟴	NCR A1acd2+B1b(iii+iv+v) c(iii+iv)	NT
<i>Sarasaeschna kaoi</i> Yeh, Lee & Wong, 2015 短缺晏蜓	NCR B1+2a+D	-
<i>Somatochlora taiwana</i> Inoue & Yokota, 2001 臺灣弓蜓	NCR B2abiii	-
<i>Neurothemis tullia tullia</i> (Drury, 1773) 雙截蜻蜓	NCR B2ab(i+ii+iii+iv) c(i+ii+iii+iv)+D	LC
<i>Orthetrum albistylum speciosum</i> (Uhler, 1858) 白刃蜻蜓	NCR B1b(iii+iv)	LC
<i>Macromidia ishidae</i> Asahina, 1964 黃尾笏蜓	NCR B1biii	LC

3.3 國家級瀕危 (NEN) 類別蜻蜓目名錄

分類群	2025 臺灣紅皮書類別	2025 全球紅皮書類別
<i>Libellago lineata lineata</i> (Burmeister, 1839) 脊紋鼓蟴	NEN B1b(iii+iv)	LC
<i>Rhinocypha taiwana</i> Wang & Chang, 2013 朱環鼓蟴	NEN B1ab(i+ii+iii+iv+v)	-
<i>Onychargia atrocyana</i> Selys, 1865 藍彩琵蟴	NEN B1a	LC
<i>Sinolestes editus</i> Needham, 1930 黃肩洵蟴	NEN B2a	LC
<i>Gynacantha saltatrix</i> Martin, 1909 舞缺晏蜓	NEN B1c(i+ii+iii+iv)+2	LC
<i>Sarasaeschna tsaopiensis</i> (Yeh & Chen, 2000) 刃缺晏蜓	NEN B2abiii	DD
<i>Hemicordulia mindana</i> Needham & Gyger, 1937 岷峨弓蜓	NEN B1ab(iii)	LC
<i>Asiagomphus perlaetus</i> (Chao, 1953) 圓痣春蜓	NEN B2a	-
<i>Gomphidia fukienensis</i> Chao, 1955 異紋春蜓	NEN B2a	LC
<i>Agrionoptera insignis similis</i> Selys, 1879 八仙蜻蜓	NEN B1b(iii+v)	LC
<i>Nannophya pygmaea</i> Rambur, 1842 小紅蜻蜓	NEN B2a	LC
<i>Nannophyopsis clara</i> (Needham, 1930) 漆黑蜻蜓	NEN B1b(ii+iii+iv)+2b(ii+iii+iv)	LC
<i>Orthetrum pruinosum clelia</i> (Selys, 1878) 霜白蜻蜓 西里亞種	NEN B1b(iii+v)	LC



分類群	2025 臺灣紅皮書類別	2025 全球紅皮書類別
<i>Rhyothemis severini</i> Ris, 1913 賽琳蜻蜓	NEN B2b(iii)	-
<i>Sympetrum nantouensis</i> Tang, Yeh & Chen, 2013 織紅蜻蜓	NEN B1b(iii+iv+v)+2b(iii+iv+v) +C2a(i)b	-
<i>Macromia daimoji</i> Okumura, 1949 耀沂蛛蜓	NEN B1ab(iv+v)	LC



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3.4 國家級易危 (NVU) 類別蜻蜓目名錄

分類群	2025 臺灣紅皮書類別	2025 全球紅皮書類別
<i>Cephalaeschna risi</i> Asahina, 1981 微刺晏蜓	NVU B2ab(iii)	-
<i>Sarasaeschna chiangchinlii</i> Chen & Yeh, 2014 鉤缺晏蜓	NVU B2b(ii+iii+iv+v)	-
<i>Anisogomphus maacki</i> (Selys, 1872) 長唇春蜓	NVU B2ab(iii)	LC
<i>Asiagomphus pacificus</i> (Chao, 1953) 雙角春蜓	NVU B2ab(iii)	LC
<i>Euthygomphus koxingai</i> (Chao, 1954) 國姓春蜓	NVU B2ab(iii)	LC

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3.5 國家級接近受脅 (NNT) 類別蜻蜓目名錄

分類群	2025 臺灣紅皮書類別	2025 全球紅皮書類別
<i>Mnais tenuis</i> Oguma, 1913 細胸珈蟓	NNT B1b(iii)	-
<i>Aciagrion migratum</i> (Selys, 1876) 針尾細蟓	NNT B1b(i+ii+iii+iv+v)+2b(i+ii+iii+iv+v)	LC
<i>Lestes decipiens</i> Kirby, 1893 隱紋絲蟓	NNT B1b(i+ii+iii+iv)+2b(i+ii+iii+iv)	LC
<i>Aeschnophlebia ishigakiana flavostria</i> (Yeh, 1996) 石垣晏蜓	NNT B1b(iii)	-
<i>Anaciaeschna martini</i> (Selys 1897) 烏基晏蜓	NNT B1+2	LC
<i>Gynacantha bayadera</i> Selys, 1891 淨缺晏蜓	NNT B1	LC
<i>Periaeschna magdalena</i> Martin, 1909 柱缺晏蜓	NNT B1b(iii)	LC
<i>Indaeschna melanictera</i> (Selys, 1883) 描金晏蜓	NNT B1	-
<i>Indaeschna ornithocephala</i> (McLachlan, 1896) 喙缺晏蜓	NNT B1+2	-
<i>Sarasaeschna lieni</i> (Yeh & Chen, 2000) 日清晏蜓	NNT B1+2	-
<i>Sarasaeschna pyanan</i> (Asahina, 1951) 源埡晏蜓	NNT B1+2	-
<i>Chlorogomphus brevistigma</i> Oguma, 1926 短痣斑蜓	NNT B1b(iii)	VU
<i>Asiagomphus hainanensis</i> (Chao, 1953) 海南春蜓	NNT B1b(iii)	LC



分類群	2025 臺灣紅皮書類別	2025 全球紅皮書類別
<i>Asiagomphus septimus</i> (Needham, 1930) 鉤紋春蜓	NNT B1b(iii)	LC
<i>Fukienogomphus prometheus</i> (Lieftinck, 1939) 火神春蜓	NNT B1b(iii)	LC
<i>Gomphidia confluens</i> Selys, 1878 聯紋春蜓	NNT B1b(iii)	
<i>Merogomphus pavici</i> Martin, 1904 窄胸春蜓	NNT B1b(iii)	LC
<i>Sieboldius deflexus</i> (Chao, 1955) 闊腹春蜓	NNT B1b(iii)	LC
<i>Orthetrum internum</i> McLachlan, 1894 扶桑蜻蜓	NNT B1b(ii+iii)+2b(ii+iii)	LC
<i>Rhyothemis triangularis</i> Kirby, 1889 三角蜻蜓	NNT B1	-
<i>Sympetrum eroticum ardens</i> (McLachlan, 1894) 焰紅蜻蜓	NNT B1	LC

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3.6 國家暫無危機 (NLC) 名錄

分類群	2025 臺灣紅皮書類別	2025 全球紅皮書類別
<i>Matrona cyanoptera</i> Hämäläinen & Yeh, 2000 白痣珈蟴	NLC	-
<i>Psolodesmus mandarinus dorothea</i> Williamson, 1904 中華珈蟴 南臺亞種	NLC	-
<i>Psolodesmus mandarinus mandarinus</i> McLachlan, 1870 中華珈蟴 指名亞種	NLC	-
<i>Heliocypha perforata perforata</i> (Percheron, 1835) 棋紋鼓蟴	NLC	LC
<i>Agriocnemis femina oryzae</i> Lieftinck, 1962 白粉細蟴	NLC	LC
<i>Agriocnemis pygmaea</i> (Rambur, 1842) 橙尾細蟴	NLC	LC
<i>Ceriagrion auranticum ryukyuanum</i> Asahina, 1967 紅腹細蟴	NLC	LC
<i>Ceriagrion fallax fallax</i> Ris, 1914 昧影細蟴	NLC	LC
<i>Ischnura senegalensis</i> (Rambur, 1842) 青紋細蟴	NLC	LC
<i>Paracercion calamorum dyeri</i> (Fraser, 1919) 葦笛細蟴	NLC	LC
<i>Paracercion melanotum</i> (Selys, 1876) 蔚藍細蟴	NLC	LC
<i>Pseudagrion microcephalum</i> (Rambur, 1842) 瘦面細蟴	NLC	LC
<i>Pseudagrion pilidorsum pilidorsum</i> (Brauer, 1868) 弓背細蟴	NLC	LC



分類群	2025 臺灣紅皮書類別	2025 全球紅皮書類別
<i>Bayadera brevicauda</i> Fraser, 1928 短尾幽蟳	NLC	-
<i>Euphaea formosa</i> Hagen, 1869 短腹幽蟳	NLC	LC
<i>Indolestes cyaneus</i> (Selys, 1862) 青紋絲蟳	NLC	LC
<i>Orolestes selysi</i> McLachlan, 1895 長痣絲蟳	NLC	-
<i>Rhipidolestes aculeatus aculeatus</i> Ris, 1912 芽痣棘蟳	NLC	-
<i>Coeliccia cyanomelas</i> Ris, 1912 青黑琵琶蟳	NLC	LC
<i>Coeliccia flavicauda flavicauda</i> Ris, 1912 黃尾琵琶蟳	NLC	LC
<i>Copera marginipes</i> (Rambur, 1842) 脛蹠琵琶蟳	NLC	LC
<i>Pseudocopera ciliata</i> (Selys, 1863) 環紋琵琶蟳	NLC	LC
<i>Prodasineura croconota</i> (Ris, 1916) 朱背琵琶蟳	NLC	LC
<i>Megalestes riccii</i> Navás, 1935 黃腹洵蟳	NLC	LC
<i>Aeschnophlebia risi risi</i> (Asahina, 1964) 李斯晏蜓	NLC	-
<i>Aeschnophlebia taiwana</i> (Asahina, 1951) 陽明晏蜓	NLC	-

分類群	2025 臺灣紅皮書類別	2025 全球紅皮書類別
<i>Aeshna petalura taiyal</i> Asahina, 1938 泰雅晏蜓	NLC	LC
<i>Anaciaeschna jaspidea</i> (Burmeister, 1839) 碧翠晏蜓	NLC	LC
<i>Anax guttatus</i> (Burmeister, 1839) 烏點晏蜓	NLC	LC
<i>Anax nigrofasciatus nigrofasciatus</i> Oguma, 1915 烏帶晏蜓	NLC	LC
<i>Anax panybeus</i> Hagen, 1867 麻斑晏蜓	NLC	LC
<i>Gynacantha subinterrupta</i> Rambur, 1842 長缺晏蜓	NLC	LC
<i>Gynacantha japonica</i> Bartenef, 1909 倭缺晏蜓	NLC	-
<i>Gynacantha ryukyuensis</i> Asahina, 1962 琉球晏蜓	NLC	-
<i>Indaeschna erythromelas</i> (McLachlan, 1896) 朱黛晏蜓	NLC	-
<i>Anotogaster klossi</i> Fraser, 1919 無霸勾蜓	NLC	DD
<i>Chlorogomphus risi</i> Chen, 1950 褐翼斑蜓	NLC	-
<i>Chlorogomphus suzukii</i> (Oguma, 1926) 斑翼斑蜓	NLC	-
<i>Burmagomphus vermicularis</i> (Martin, 1904) 蟲莖春蜓	NLC	LC



分類群	2025 臺灣紅皮書類別	2025 全球紅皮書類別
<i>Heliogomphus retroflexus</i> (Ris, 1912) 曲尾春蜓	NLC	LC
<i>Ictinogomphus rapax</i> (Rambur, 1842) 粗鉤春蜓	NLC	LC
<i>Lamelligomphus formosanus</i> (Matsumura, 1926) 鉤尾春蜓	NLC	-
<i>Leptogomphus sauteri</i> Ris, 1912 紹德春蜓	NLC	-
<i>Sinictinogomphus clavatus</i> (Fabricius, 1775) 細鉤春蜓	NLC	LC
<i>Sinogomphus formosanus</i> Asahina, 1951 鉸剪春蜓	NLC	-
<i>Stylogomphus changi</i> Asahina, 1968 球角春蜓	NLC	DD
<i>Stylogomphus shirozui shirozui</i> Asahina, 1966 錘角春蜓	NLC	-
<i>Acisoma panorpoides panorpoides</i> Rambur, 1842 粗腰蜻蜓	NLC	LC
<i>Brachydiplax flavovittata</i> Ris, 1911 橙斑蜻蜓	NLC	LC
<i>Brachythemis contaminata</i> (Fabricius, 1793) 褐斑蜻蜓	NLC	LC
<i>Cratilla lineata assidua</i> Lieftinck, 1953 線紋蜻蜓	NLC	LC
<i>Crocothemis servilia servilia</i> (Drury, 1773) 猩紅蜻蜓	NLC	LC

分類群	2025 臺灣紅皮書類別	2025 全球紅皮書類別
<i>Diplacodes trivialis</i> (Rambur, 1842) 侏儒蜻蜓	NLC	LC
<i>Hydrobasileus croceus</i> (Brauer, 1867) 硃紅蜻蜓	NLC	LC
<i>Lyriothemis elegantissima</i> Selys, 1883 廣腹蜻蜓	NLC	LC
<i>Lyriothemis flava</i> Oguma, 1915 樹穴蜻蜓	NLC	-
<i>Macrodiplax cora</i> (Kaup, 1867) 高翔蜻蜓	NLC	LC
<i>Neurothemis taiwanensis</i> Seehausen & Dow, 2016 善變蜻蜓	NLC	-
<i>Onychothemis tonkinensis</i> Martin, 1904 琥珀蜻蜓	NLC	-
<i>Orthetrum glaucum</i> (Brauer, 1865) 金黃蜻蜓	NLC	LC
<i>Orthetrum luzonicum</i> (Brauer, 1868) 呂宋蜻蜓	NLC	LC
<i>Orthetrum melania continentale</i> Sasamoto & Futahashi, 2013 灰黑蜻蜓	NLC	LC
<i>Orthetrum pruinosum neglectum</i> (Rambur, 1842) 霜白蜻蜓 中印亞種	NLC	LC
<i>Orthetrum sabina sabina</i> (Drury, 1770) 杜松蜻蜓	NLC	LC
<i>Orthetrum triangulare triangulare</i> (Selys, 1878) 鼎脈蜻蜓	NLC	LC



分類群	2025 臺灣紅皮書類別	2025 全球紅皮書類別
<i>Pantala flavescens</i> (Fabricius, 1798) 薄翅蜻蜓	NLC	LC
<i>Potamarcha congener congener</i> (Rambur, 1842) 溪神蜻蜓	NLC	LC
<i>Pseudothemis zonata</i> (Burmeister, 1839) 黃紉蜻蜓	NLC	LC
<i>Rhyothemis regia regia</i> (Brauer, 1867) 藍黑蜻蜓	NLC	LC
<i>Rhyothemis variegata arria</i> (Drury, 1773) 彩裳蜻蜓	NLC	LC
<i>Sympetrum speciosum</i> Oguma, 1915 黃基蜻蜓	NLC	-
<i>Tholymis tillarga</i> (Fabricius, 1798) 夜遊蜻蜓	NLC	-
<i>Tamea transmarina euryale</i> (Selys, 1878) 海霸蜻蜓 微斑亞種	NLC	LC
<i>Tamea virginia</i> (Rambur, 1842) 大華蜻蜓	NLC	LC
<i>Trithemis aurora</i> (Burmeister, 1839) 紫紅蜻蜓	NLC	LC
<i>Trithemis festiva</i> (Rambur, 1842) 樂仙蜻蜓	NLC	LC
<i>Urothemis signata yiei</i> Asahina, 1972 褐基蜻蜓 臺灣亞種	NLC	LC
<i>Zygonyx takasago</i> Asahina, 1966 高砂蜻蜓	NLC	LC

分類群	2025 臺灣紅皮書類別	2025 全球紅皮書類別
<i>Zyxomma obtusum</i> Albarda, 1881 灰影蜻蜓	NLC	LC
<i>Zyxomma petiolatum</i> Rambur, 1842 纖腰蜻蜓	NLC	-
<i>Epophthalmia elegans</i> (Brauer, 1865) 慧眼蛛蜓	NLC	LC
<i>Macromia clio</i> Ris, 1916 海神蛛蜓	NLC	LC
<i>Macromia urania</i> Ris, 1916 天王蛛蜓	NLC	LC

3.7 數據缺乏 (DD) 名錄

分類群	2025 臺灣紅皮書類別	2025 全球紅皮書類別
<i>Pseudagrion rubriceps rubriceps</i> Selys, 1876 丹頂細蟴	DD	LC
<i>Prodasineura autumnalis</i> (Fraser, 1932) 烏齒琵琶蟴	DD	LC
<i>Indothemis carnatica</i> (Fabricius, 1798) 藍印蜻蜓	DD	LC
<i>Lathrecista asiatica asiatica</i> (Fabricius, 1798) 海神蜻蜓	DD	LC
<i>Tramea transmarina propinqua</i> Lieftinck, 1942 海霸蜻蜓 粗斑亞種	DD	LC
<i>Urothemis signata signata</i> (Rambur, 1842) 褐基蜻蜓 指名亞種	DD	LC
<i>Macromia cupricincta berlandi</i> Lieftinck, 1941 褐面蛛蜓	DD	LC



3.8 未評估蜻蜓目名錄

分類群	2025 臺灣紅皮書類別	2025 全球紅皮書類別
<i>Neurobasis chinensis chinensis</i> (Linnaeus, 1758) 綠翅珈蟌	-	LC
<i>Ischnura asiatica</i> (Brauer, 1865) 亞東細蟌	-	LC
<i>Mortonagrion selenion</i> (Ris, 1916) 月斑細蟌	-	NT
<i>Paracercion sieboldii</i> (Selys, 1876) 錢博細蟌	-	-
<i>Lestes concinnus</i> Hagen, 1862 鑲紋絲蟌	-	LC
<i>Anax julius</i> Brauer, 1865 綠胸晏蜓	-	-
<i>Deielia phaon</i> (Selys, 1883) 短痣蜻蜓	-	LC
<i>Neurothemis fulvia</i> (Drury, 1773) 淺褐蜻蜓	-	LC
<i>Sympetrum cordulegaster</i> (Selys, 1883) 長尾蜻蜓	-	LC
<i>Sympetrum darwinianum</i> (Selys, 1883) 仲夏蜻蜓	-	LC
<i>Sympetrum depressiusculum</i> (Selys, 1841) 秋紅蜻蜓	-	LC
<i>Sympetrum fonscolombii</i> (Selys, 1840) 紅脈蜻蜓	-	LC
<i>Sympetrum infuscatum</i> (Selys, 1883) 褐頂蜻蜓	-	-
<i>Sympetrum kunckeli</i> (Selys, 1884) 孔凱蜻蜓	-	LC
<i>Sympetrum parvulum</i> (Bartenev, 1913) 姬紅蜻蜓	-	LC
<i>Trithemis pallidinervis</i> (Kirby, 1889) 灰脈蜻蜓	-	LC

4. 致謝

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黃尾笄蜓
胡芳碩 / 提供





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The Red List of Dragonflies and Damselflies of Taiwan

I-Lung Lee^{1,*}, Yung-Chun Chou^{1,2}, Fang-Shuo Hu^{1,3}, Cheng-Han Ma¹, Szu-Lung Chen^{1,4}, Wen-Chi Yeh^{1,5}, Chi-Ming Lou¹

¹ Dragonfly Association of Taiwan, Taipei, Taiwan

² Lienhuachih Research Center, Taiwan Forestry Research Institute, Nantou, Taiwan

³ Natural History Museum of Denmark, University of Copenhagen, Copenhagen, Denmark

⁴ Conservation and Research Center, Taipei Zoo, Taipei, Taiwan

⁵ Division of Forest Protection, Taiwan Forestry Research Institute, Taipei, Taiwan

* Corresponding author : Taiwandragonfly@gmail.com

Abstract

This checklist compiles the Odonata species recorded in Taiwan, including 16 families and 159 species/subspecies. Based on the International Union for Conservation of Nature (IUCN) threat assessment system and criteria, a regional Red List assessment was conducted for 143 species/subspecies. Among them, *Sympetrum baccha baccha* is considered regionally extinct and 31 species are categorized as threatened. These include 10 species listed as Nationally Critically Endangered (NCR): *Aristocypha baibarana*, *Ceriagrion melanurum*, *Ceriagrion nipponicum*, *Ischnura rubilio*, *Mortonagrion hirosei*, *Sarasaeschna kaoi*, *Somatochlora taiwana*, *Neurothemis tullia tullia*, *Orthetrum albistylum speciosum*, and *Macromidia ishidai*. Additionally, 16 species are listed as Nationally Endangered (NEN) and 5 as Nationally Vulnerable (NVU). Among the remaining species, 21 are listed as Nationally Near Threatened (NNT), 83 as Nationally Least Concern (NLC), and 7 as Data Deficient (DD).

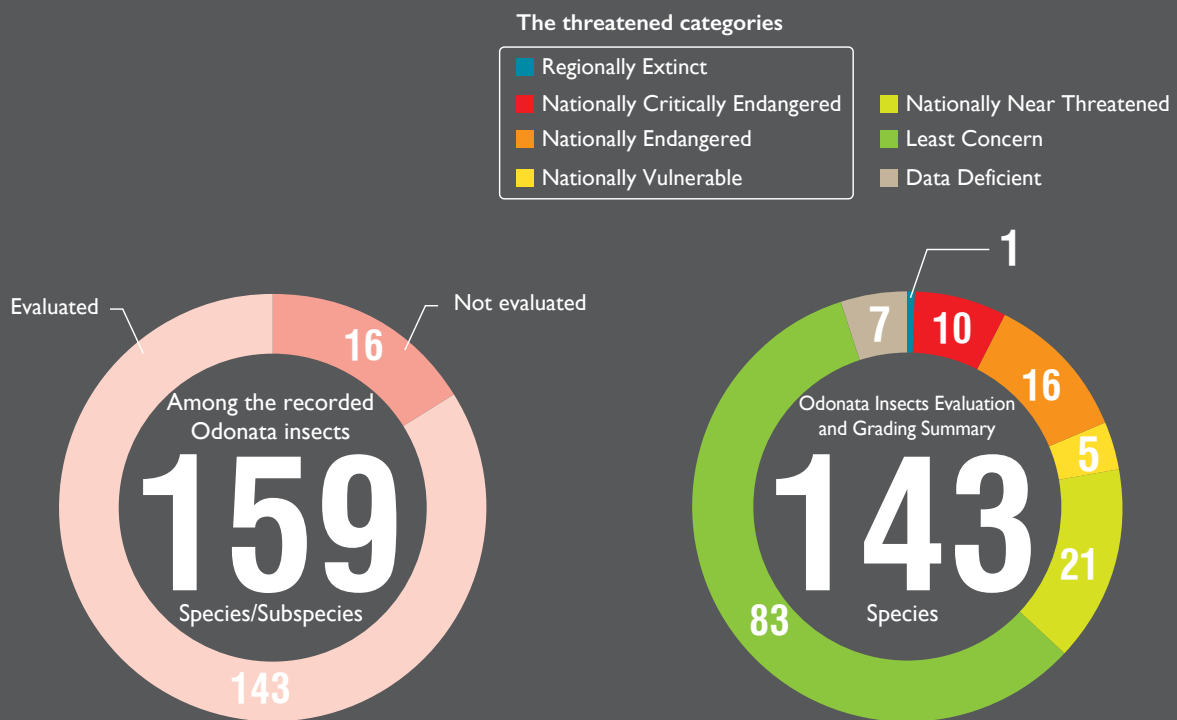


Figure 1 in abstract. This study assessed 143 of the 159 recorded species or subspecies of Odonata in Taiwan, with 16 excluded as seasonal migratory species or doubtful species.

Figure 2 in abstract. Summary of the assessment categories for 143 species of Odonata in Taiwan.



1. Introduction

Odonata, which includes dragonflies and damselflies, is an ancient group of predatory insects. 6,407 species are currently known worldwide (Paulson *et al.*, 2024), mainly distributed in freshwater ecosystems. They are often regarded as bioindicators of freshwater habitat quality (Simaika & Samways 2009, 2012) due to their ecological importance and the simplicity of observing adults. Odonata are also considered to have potential as umbrella species for wetland conservation (Bried *et al.* 2007). The IUCN Red List of Threatened Species is currently the most comprehensive global list of the conservation statuses of plants and animals and assesses species based on specific criteria. In addition to the global Red List, regional Red Lists also provide important information for the conservation of Odonata. For example, regional assessments have been conducted in Europe (Kalkman *et al.* 2010), the Mediterranean region (Riservato *et al.* 2009), and North Africa (García *et al.* 2010). These regional

assessments emphasize the distinct threats faced in different geographic regions and highlight the need to tailor conservation strategies to specific areas.

Although dragonflies and damselflies are well-studied compared to most invertebrates, their knowledge gaps remain significantly larger than those of vertebrates. About 30% of species are categorized as Data Deficient (DD) in the global Red List, while less than 1% of birds and about 13% of mammals fall into this category (IUCN 2024). Without timely conservation actions, many species may become extinct or critically endangered before they are even discovered. Furthermore, although the Red List has no legally binding effect, it still has a significant impact on conservation policies by providing an important reference for conservation management. Combining conservation efforts with Red List findings can strengthen the protection of threatened species.



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2. Assessment process

2.1 Defining the Taxa Included in the Evaluation

Lieftinck *et al.* (1984) published the Catalogue of Taiwanese Dragonflies, which was the only formal checklist in recent years. Since then, various authors have published field guides on the Odonata of Taiwan and included lists with varying numbers of species (Wang, 2000; Tsou, 2005; Lin & Yang, 2016; Tsou, 2023). However, since 1984 many species of Odonata in Taiwan have been added, removed, or had changes in their scientific names, so the existing checklists must be revised. This report has revised the checklist of

the Odonata of Taiwan to include 16 families and 159 species/subspecies, of which 26 are endemic species or subspecies. The species assessed in this report were also selected based on this checklist, so following the International Union for Conservation of Nature threat assessment system and criteria, 16 species that are seasonal migrants or of doubtful identity were excluded from the Taiwanese fauna. The final number of species/subspecies included in this assessment is 143.

2.2 Evaluation Criteria

This report is compiled based on the Guidelines for Using the IUCN Red List Categories and Criteria (IUCN Standards and Petitions Subcommittee 2024). However, since the guidelines do not specify how to assess the Near Threatened (NT) category, this report refers to the IUCN Red List criteria to establish the assessment standard for Nationally Near Threatened (NNT). It follows five criteria to evaluate which threatened status is applicable for a given taxon: A. Past, present, or future population size reduction; B. The geographic range occupied by a taxon and any fragmentation, isolation, decline, or fluctuation of that range; C. Small population size coupled with fragmentation, decline, or fluctuations in that population; D. A very small population or very

restricted distribution; E. A quantitative analysis of extinction risk. Each criterion contains sub-criteria and qualifiers (Table 1) which set thresholds to define these criteria. After assessment, taxa at risk of extinction are primarily divided into the following three categories: Extinct (EX), Extinct in the Wild (EW), and Regionally Extinct (RE). The threatened categories include the following: Nationally Critically Endangered (NCR), Nationally Endangered (NEN), and Nationally Vulnerable (NVU), while the non-threatened categories, Nationally Near Threatened (NNT) and Nationally Least Concern (NLC), serve as references for understanding the current status of species populations.



**Table 1.** Overview of Red List criteria, modified from IUCN Standards and Petitions Committee (2024).

Red List Criteria	Critically Endangered	Endangered	Vulnerable	Near Threatened
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A. Declining population. (declines measured over the longer of 10 years or 3 generations)

A1	≥ 90%	≥ 70%	≥ 50%	≥ 30%
A2, A3, A4	≥ 80%	≥ 50%	≥ 30%	≥ 20%

BasBased on any of the following methods.

A1. Population reduction observed, estimated, inferred, or suspected in the past where the causes of the reduction are clearly reversible AND understood AND have ceased.

(a) direct observation [except A3]

(b) an index of abundance appropriate to the taxon

(c) a decline in area of occupancy (AOO), extent of occurrence (EOO) and/or habitat quality

(d) actual or potential levels of exploitation

(e) effects of introduced taxa, hybridization, pathogens, pollutants, competitors, or parasites

A2. Population reduction observed, estimated, inferred, or suspected in the past where the causes of the reduction may not have ceased OR may not be understood OR may not be reversible.

A3. Population reduction projected, inferred or suspected to be met in the future (up to a maximum of 100 years) [(a) cannot be used for A3]

A4. An observed, estimated, inferred, projected or suspected population reduction where the time period must include both the past and the future (up to a max. of 100 years in the future), and where the causes of reduction may not have ceased OR may not be understood OR may not be reversible.

Red List Criteria	Critically Endangered	Endangered	Vulnerable	Near Threatened
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B. Geographic range in the form of either B1 (extent of occurrence) AND/OR B2 (area of occupancy)

B1. Extent of occurrence (EOO)	< 100 km ²	< 5,000 km ²	< 20,000 km ²	< 20,000 km ²
B2. Area of occupancy (AOO)	< 10 km ²	< 500 km ²	< 2,000 km ²	< 2,000 km ²

AND at least 2 of the following 3 conditions (one for Near-threatened category):

(a) Severely fragmented OR Number of locations	= 1	≤ 5	≤ 10	≤ 10
(b) Continuing decline observed, estimated, inferred or projected in any of: (i) extent of occurrence; (ii) area of occupancy; (iii) area, extent and/or quality of habitat; (iv) number of locations or subpopulations; (v) number of mature individuals				
(c) Extreme fluctuations in any of: (i) extent of occurrence; (ii) area of occupancy; (iii) number of locations or sunpopulations; (iv) number of mature individuals				

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Red List Criteria	Critically Endangered	Endangered	Vulnerable	Near Threatened
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C. Small population size and decline

Number of mature individuals	< 250	< 2,500	< 10,000	< 20,000
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AND at least one of C1 or C2

C1. An observed, estimated or projected continuing decline of at least (up to a max. of 100 years in future):	25% in 3 years or 1 generation	20% in 5 years or 2 generations	10% in 10 years or 3 generations	10% in 10 years or 3 generations
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C2. An observed, estimated, projected or inferred continuing decline AND at least one of the following 3 conditions:

a(i) Number of mature individuals in each subpopulation	≤ 50	≤ 250	≤ 1,000	≤ 1000
a(ii) % of mature individuals in one subpopulation	90%	95%	100%	100%

(b) Extreme fluctuations in the number of mature individuals

Red List Criteria	Critically Endangered	Endangered	Vulnerable	Near Threatened
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D. Very small or restricted population Either:

D. Number of mature individuals	< 50	< 250	D1. < 1,000	D1. < 2,500
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AND/OR

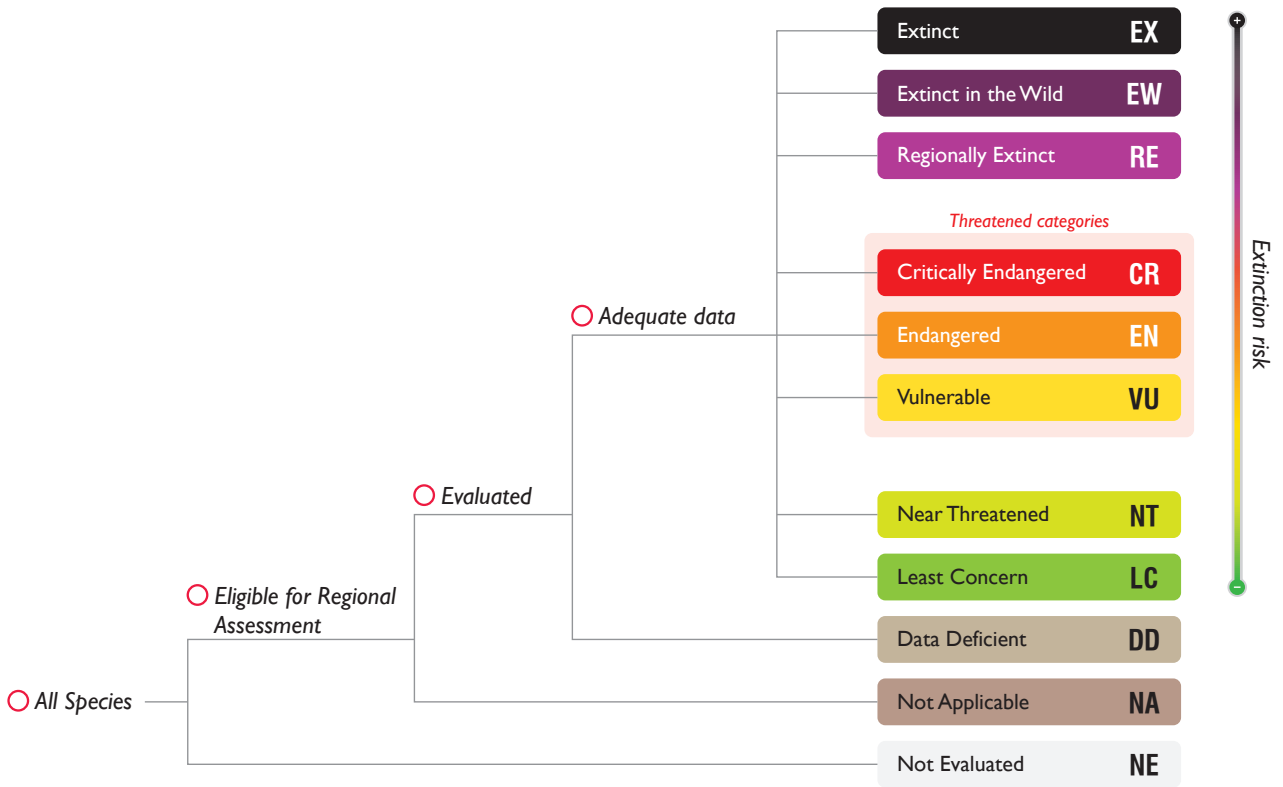
D2. Only applies to the VU and NT category Restricted area of occupancy or number of locations with a plausible future threat that could drive the taxon to CR or EX in a very short time.	NA	NA	AOO < 20 km ² or number of locations ≤ 5	AOO < 50 km ² or number of locations ≤ 10
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Red List Criteria	Critically Endangered	Endangered	Vulnerable	Near Threatened
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E. Quantitative analysis

Indicating the probability of extinction in the wild to be:	≥ 50% in 10 years or 3 generations (100 year max.)	≥ 20% in 20 years or 5 generations (100 year max.)	≥ 10% in 100 years	≥ 5% in 100 years
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2.3 Review of Historical Data and Field Surveys

The references for this assessment integrate approximately 43,000 records from iNaturalist, about 113,000 records from a private dragonfly observation database, 1,493 records from the Taiwan Forestry Research Institute Insect Collection, 1,077 records from the National Chung Hsing University Insect Collection, and 685 records from field surveys. The data from the dragonfly observation database is used only as a reference due to unresolved authorization issues.

2.4 Assessment Process

Based on the reference data, the Dragonfly Association of Taiwan team conducted a preliminary assessment according to distribution statuses and population trends. Relevant domestic institutions that have conducted surveys on specific Odonata species were invited to confirm the population and habitat status of certain species and validate the assessment results. Subsequently, domestic experts and scholars specializing in Odonata were invited to conduct a re-evaluation to ensure that the assessment results reflect current conditions and can therefore serve as the basis for the final evaluation.



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3. The result of evaluation for the Red list

Among the 143 species assessed, 1 species is considered Regionally Extinct. Additionally, 31 species are categorized under threatened categories, including 10 species listed as Nationally Critically Endangered (NCR), 16 species as

Nationally Endangered (NEN), and 5 species as Nationally Vulnerable (NVU). Finally, 20 species are listed as Nationally Near Threatened (NNT), 84 species as Least Concern (LC), and 7 species as Data Deficient (DD).

3.1 List of Regional Extinct Odonata Taxa in Taiwan

Taxa	Taiwanese Red List Category in 2025	Global Red List Category in 2025
<i>Sympetrum baccha baccha</i> (Selys, 1884) Dark-tipped Darter	RE	LC

3.2 List of Nationally Critically Endangered Odonata taxa in Taiwan

Taxa	Taiwanese Red List Category in 2025	Global Red List Category in 2025
<i>Aristocypha baibarana</i> (Matsumura, 1931) Formosan Blue Jewel	NCR A+B+C+E	-
<i>Ceriagrion melanurum</i> Selys, 1876 Yellow-bellied Sprite	NCR A2abce+D1	LC
<i>Ceriagrion nipponicum</i> Asahina, 1967 Japanese Sprite	NCR B2a+C+D	LC
<i>Ischnura rubilio</i> (Selys, 1876) Wandering Bluetail	NCR B2ab(iii+iv)c(i+ii+iii+iv)+C+D	LC
<i>Mortonagrion Hirosei</i> Asahina, 1972 Four-spotted Midget	NCR A1acd2+B1b(iii+iv+v)c(iii+iv)	NT
<i>Sarasaeschna kaoi</i> Yeh, Lee & Wong, 2015 Short-tailed Bog-hawker	NCR B1+2a+D	-
<i>Somatochlora taiwana</i> Inoue & Yokota, 2001 Taiwan Emerald	NCR B2abiii	-
<i>Neurothemis tullia tullia</i> (Drury, 1773) Pied Percher	NCR B2ab(i+ii+iii+iv)c(i+ii+iii+iv)+D	LC



Taxa	Taiwanese Red List Category in 2025	Global Red List Category in 2025
<i>Orthetrum albistylum speciosum</i> (Uhler, 1858) White-tailed Skimmer	NCR B1b(iii+iv)	LC
<i>Macromidia ishidai</i> Asahina, 1964 Yellow-tailed Shadow-emerald	NCR B1biii	LC

3.3 List of Nationally Endangered Odonata taxa in Taiwan

Taxa	Taiwanese Red List Category in 2025	Global Red List Category in 2025
<i>Libellago lineata lineata</i> (Burmeister, 1839) Lineated Orange Jewel	NEN B1b(iii+iv)	LC
<i>Rhinocypha taiwana</i> Wang & Chang, 2013 Taiwan Orange Jewel	NEN B1ab(i+ii+iii+iv+v)	-
<i>Onychargia atrocyana</i> Selys, 1865 Marsh Dancer	NEN B1a	LC
<i>Sinolestes editus</i> Needham, 1930 Yellow-shouldered Sylph	NEN B2a	LC
<i>Gynacantha saltatrix</i> Martin, 1909 Little Dusk-hawker	NEN B1c(i+ii+iii+iv)+2	LC
<i>Sarasaeschna tsaopiensis</i> (Yeh & Chen, 2000) Razor-tailed Bog-hawker	NEN B2abiii	DD
<i>Hemicordulia mindana</i> Needham & Gyger, 1937 Mindanao Emerald	NEN B1ab(iii)	LC
<i>Asiagomphus perlaetus</i> (Chao, 1953) Three-horned Clubtail	NEN B2a	-
<i>Gomphidia fukienensis</i> Chao, 1955 Beishi River Tiger	NEN B2a	LC
<i>Agrionoptera insignis similis</i> Selys, 1879 Red-bellied Chaser	NEN B1b(iii+v)	LC

Taxa	Taiwanese Red List Category in 2025	Global Red List Category in 2025
<i>Nannophya pygmaea</i> Rambur, 1842 Scarlet Dwarf	NEN B2a	LC
<i>Nannophyopsis clara</i> (Needham, 1930) Emerald Dwarf	NEN B1b(ii+iii+iv)+2b(ii+iii+iv)	LC
<i>Orthetrum pruinosum clelia</i> (Selys, 1878) Red-bellied Skimmer, <i>clelia</i> subspecies	NEN B1b(iii+v)	LC
<i>Rhyothemis severini</i> Ris, 1913 Greater Sapphire Flutterer	NEN B2b(iii)	-
<i>Sympetrum nantouensis</i> Tang, Yeh & Chen, 2013 Nantou Darter	NEN B1b(iii+iv+v)+2b(iii+iv+v)+C2a(i)b	-
<i>Macromia daimoji</i> Okumura, 1949 Xindian Cruiser	NEN B1ab(iv+v)	LC

3.4 List of Nationally Vulnerable Odonata taxa in Taiwan

Taxa	Taiwanese Red List Category in 2025	Global Red List Category in 2025
<i>Cephalaeschna risi</i> Asahina, 1981 Pale-legged Stream-hawker	NVU B2ab(iii)	-
<i>Sarasaeschna chiangchinlii</i> Chen & Yeh, 2014 Hook-tailed Bog-hawker	NVU B2b(ii+iii+iv+v)	-
<i>Anisogomphus maacki</i> (Selys, 1872) Club-tailed Longleg	NVU B2ab(iii)	LC
<i>Asiagomphus pacificus</i> (Chao, 1953) Two-horned Clubtail	NVU B2ab(iii)	LC
<i>Euthygomphus koxingai</i> (Chao, 1954) White-tipped Longleg	NVU B2ab(iii)	LC



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3.5 List of Nationally Near Threatened Odonata taxa in Taiwan

Taxa	Taiwanese Red List Category in 2025	Global Red List Category in 2025
<i>Mnais tenuis</i> Oguma, 1913 Spring Copperwing	NNT B1b(iii)	-
<i>Aciagrion migratum</i> (Selys, 1876) Migratory Midget	NNT B1b(i+ii+iii+iv+v)+2b(i+ii+iii+iv+v)	LC
<i>Lestes decipiens</i> Kirby, 1893 Scalloped Spreadwing	NNT B1b(i+ii+iii+iv)+2b(i+ii+iii+iv)	LC
<i>Aeschnophlebia ishigakiana flavostria</i> (Yeh, 1996) Yellow-streaked Stream-hawker	NNT B1b(iii)	-
<i>Anaciaeschna martini</i> (Selys 1897) Forest Evening Hawker	NNT B1+2	LC
<i>Gynacantha bayadera</i> Selys, 1891 Clear-fronted Dusk-hawker	NNT B1	LC
<i>Periaeschna magdalena</i> Martin, 1909 Dark-bellied Stream-hawker	NNT B1b(iii)	LC
<i>Indaeschna melanictera</i> (Selys, 1883) Blue-faced Hawker	NNT B1	-
<i>Indaeschna ornithocephala</i> (McLachlan, 1896) Beak-tailed Hawker	NNT B1+2	-
<i>Sarasaeschna lieni</i> (Yeh & Chen, 2000) Least Bog-hawker	NNT B1+2	-
<i>Sarasaeschna pyanan</i> (Asahina, 1951) Pyanan Bog-hawker	NNT B1+2	-
<i>Chlorogomphus brevistigma</i> Oguma, 1926 Formosan Goldenring	NNT B1b(iii)	VU
<i>Asiagomphus hainanensis</i> (Chao, 1953) Hainan Clubtail	NNT B1b(iii)	LC
<i>Asiagomphus septimus</i> (Needham, 1930) Long-lined Clubtail	NNT B1b(iii)	LC



Taxa	Taiwanese Red List Category in 2025	Global Red List Category in 2025
<i>Fukienogomphus prometheus</i> (Lieftinck, 1939) Seepage Clubtail	NNT B1b(iii)	LC
<i>Gomphidia confluens</i> Selys, 1878 Keel-tailed Tiger	NNT B1b(iii)	LC
<i>Merogomphus pavici</i> Martin, 1904 Four-striped Longleg	NNT B1b(iii)	LC
<i>Sieboldius deflexus</i> (Chao, 1955) Large Dragonhunter	NNT B1b(iii)	LC
<i>Orthetrum internum</i> McLachlan, 1894 Japanese Skimmer	NNT B1b(ii+iii)+2b(ii+iii)	-
<i>Rhyothemis triangularis</i> Kirby, 1889 Lesser Sapphire Flutterer	NNT B1	LC
<i>Sympetrum eroticum ardens</i> (McLachlan, 1894) Spot-fronted Darter	NNT B1	LC

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3.6 List of Nationally Least Concern Odonata taxa in Taiwan

Taxa	Taiwanese Red List Category in 2025	Global Red List Category in 2025
<i>Matrona cyanoptera</i> Hämäläinen & Yeh, 2000 Formosan Jewelwing	NLC	-
<i>Psolodesmus mandarinus dorothea</i> Williamson, 1904 Formosan Piedwing, dorothea subspecies	NLC	-
<i>Psolodesmus mandarinus mandarinus</i> McLachlan, 1870 Formosan Piedwing, mandarinus subspecies	NLC	-
<i>Heliocypha perforata perforata</i> (Percheron, 1835) Common Blue Jewel	NLC	LC
<i>Agriocnemis femina oryzae</i> Lieftinck, 1962 Pruinosed Midget	NLC	LC
<i>Agriocnemis pygmaea</i> (Rambur, 1842) Wandering Midget	NLC	LC
<i>Ceriagrion auranticum ryukyuanum</i> Asahina, 1967 Orange-tailed Sprite	NLC	LC
<i>Ceriagrion fallax fallax</i> Ris, 1914 Green Sprite	NLC	LC
<i>Ischnura senegalensis</i> (Rambur, 1842) Common Bluetail	NLC	LC
<i>Paracercion calamorum dyeri</i> (Fraser, 1919) Dusky Lilysquatter	NLC	LC
<i>Paracercion melanotum</i> (Selys, 1876) Eastern Lilysquatter	NLC	LC
<i>Pseudagrion microcephalum</i> (Rambur, 1842) Blue Sprite	NLC	LC
<i>Pseudagrion pilidorsum pilidorsum</i> (Brauer, 1868) Red Sprite	NLC	LC
<i>Bayadera brevicauda</i> Fraser, 1928 Short-tailed Gossamerwing	NLC	-



Taxa	Taiwanese Red List Category in 2025	Global Red List Category in 2025
<i>Euphaea formosa</i> Hagen, 1869 Formosan Gossamerwing	NLC	LC
<i>Indolestes cyaneus</i> (Selys, 1862) Blue Spreadwing	NLC	LC
<i>Orolestes selysi</i> McLachlan, 1895 Green Spreadwing	NLC	-
<i>Rhipidolestes aculeatus aculeatus</i> Ris, 1912 Red-legged Flatwing	NLC	-
<i>Coeliccia cyanomelas</i> Ris, 1912 Blue Forest Damsel	NLC	LC
<i>Coeliccia flavicauda flavicauda</i> Ris, 1912 Yellow-tailed Forest Damsel	NLC	LC
<i>Copera marginipes</i> (Rambur, 1842) Yellow Featherlegs	NLC	LC
<i>Pseudocopera ciliata</i> (Selys, 1863) Black-kneed Featherlegs	NLC	LC
<i>Prodasineura croconota</i> (Ris, 1916) Orange-backed Threadtail	NLC	LC
<i>Megalestes riccii</i> Navás, 1935 Yellow-bellied Sylph	NLC	LC
<i>Aeschnophlebia risi risi</i> (Asahina, 1964) Torrent Stream-hawker	NLC	-
<i>Aeschnophlebia taiwana</i> (Asahina, 1951) Taiwan Stream-hawker	NLC	-
<i>Aeshna petalura taiyal</i> Asahina, 1938 Atayal Hawker	NLC	LC
<i>Anaciaeschna jaspidea</i> (Burmeister, 1839) Common Evening Hawker	NLC	LC

Taxa	Taiwanese Red List Category in 2025	Global Red List Category in 2025
<i>Anax guttatus</i> (Burmeister, 1839) Pale-spotted Emperor	NLC	LC
<i>Anax nigrofasciatus nigrofasciatus</i> Oguma, 1915 Blue-spotted Emperor	NLC	LC
<i>Anax panybeus</i> Hagen, 1867 Common Emperor	NLC	LC
<i>Gynacantha subinterrupta</i> Rambur, 1842 Hyaline Dusk-hawker	NLC	LC
<i>Gynacantha japonica</i> Bartenef, 1909 Blue-spotted Dusk-hawker	NLC	-
<i>Gynacantha ryukyuensis</i> Asahina, 1962 Ryukyu Dusk-hawker	NLC	-
<i>Indaeschna erythromelas</i> (McLachlan, 1896) Tiger Hawker	NLC	-
<i>Anotogaster klossi</i> Fraser, 1919 Giant Spiketail	NLC	DD
<i>Chlorogomphus risi</i> Chen, 1950 Brown-winged Goldenring	NLC	-
<i>Chlorogomphus suzukii</i> (Oguma, 1926) Common Goldenring	NLC	-
<i>Burmagomphus vermicularis</i> (Martin, 1904) Dog-legged Clubtail	NLC	LC
<i>Heliogomphus retroflexus</i> (Ris, 1912) White-tipped Grappletail	NLC	LC
<i>Ictinogomphus rapax</i> (Rambur, 1842) Common Flangetail	NLC	LC
<i>Lamelligomphus formosanus</i> (Matsumura, 1926) Common Hooktail	NLC	-
<i>Leptogomphus sauteri</i> Ris, 1912 Brook Clubtail	NLC	-



Taxa	Taiwanese Red List Category in 2025	Global Red List Category in 2025
<i>Sinictinogomphus clavatus</i> (Fabricius, 1775) Golden Flangetail	NLC	LC
<i>Sinogomphus formosanus</i> Asahina, 1951 Least Clubtail	NLC	-
<i>Stylogomphus changi</i> Asahina, 1968 Forest Clubtail	NLC	DD
<i>Stylogomphus shirozui shirozui</i> Asahina, 1966 Horn-tailed Clubtail	NLC	-
<i>Acisoma panorpoides panorpoides</i> Rambur, 1842 Grizzled Pintail	NLC	LC
<i>Brachydiplax flavovittata</i> Ris, 1911 Blue Darter	NLC	LC
<i>Brachythemis contaminata</i> (Fabricius, 1793) Asian Amberwing	NLC	LC
<i>Cratilla lineata assidua</i> Lieftinck, 1953 Linear-striped Chaser	NLC	LC
<i>Crocothemis servilia servilia</i> (Drury, 1773) Oriental Scarlet	NLC	LC
<i>Diplacodes trivialis</i> (Rambur, 1842) Blue Percher	NLC	LC
<i>Hydrobasileus croceus</i> (Brauer, 1867) Amber-winged Glider	NLC	LC
<i>Lyriothemis elegantissima</i> Selys, 1883 Forest Chaser	NLC	LC
<i>Lyriothemis flava</i> Oguma, 1915 Golden Chaser	NLC	-
<i>Macrodiplax cora</i> (Kaup, 1867) Coastal Glider	NLC	LC
<i>Neurothemis taiwanensis</i> Seehausen & Dow, 2016 Taiwan Red Percher	NLC	-

Taxa	Taiwanese Red List Category in 2025	Global Red List Category in 2025
<i>Onychothemis tonkinensis</i> Martin, 1904 Black River Darter	NLC	-
<i>Orthetrum glaucum</i> (Brauer, 1865) Common Pruinose Skimmer	NLC	LC
<i>Orthetrum luzonicum</i> (Brauer, 1868) Marsh Pruinose Skimmer	NLC	LC
<i>Orthetrum melania continentale</i> Sasamoto & Futahashi, 2013 Greater Pruinose Skimmer	NLC	LC
<i>Orthetrum prunosum neglectum</i> (Rambur, 1842) Red-bellied Skimmer, Sino-Indian subspecies	NLC	LC
<i>Orthetrum sabina sabina</i> (Drury, 1770) Green Skimmer	NLC	LC
<i>Orthetrum triangulare triangulare</i> (Selys, 1878) Lesser Pruinose Skimmer	NLC	LC
<i>Pantala flavescens</i> (Fabricius, 1798) Wandering Glider	NLC	LC
<i>Potamarcha congener congener</i> (Rambur, 1842) Blue Chaser	NLC	LC
<i>Pseudothemis zonata</i> (Burmeister, 1839) Pied Skimmer	NLC	LC



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Taxa	Taiwanese Red List Category in 2025	Global Red List Category in 2025
<i>Rhyothemis regia regia</i> (Brauer, 1867) Pied Sapphire Flutterer	NLC	LC
<i>Rhyothemis variegata arria</i> (Drury, 1773) Variegated Flutterer	NLC	LC
<i>Sympetrum speciosum</i> Oguma, 1915 Fiery Darter	NLC	-
<i>Tholymis tillarga</i> (Fabricius, 1798) Evening Skimmer	NLC	-
<i>Tremea transmarina euryale</i> (Selys, 1878) Ocean Glider, euryale subspecies	NLC	LC
<i>Tremea virginia</i> (Rambur, 1842) Saddlebag Glider	NLC	LC
<i>Trithemis aurora</i> (Burmeister, 1839) Crimson Dropwing	NLC	LC
<i>Trithemis festiva</i> (Rambur, 1842) Indigo Dropwing	NLC	LC
<i>Urothemis signata yiei</i> Asahina, 1972 Scarlet Basker, yiei subspecies	NLC	LC
<i>Zygonyx takasago</i> Asahina, 1966 Stream Cascader	NLC	LC
<i>Zyxomma obtusum</i> Albarda, 1881 Pruinosed Dusk-darter	NLC	LC
<i>Zyxomma petiolatum</i> Rambur, 1842 Dingy Dusk-darter	NLC	-
<i>Epopthalmia elegans</i> (Brauer, 1865) Regal Pond Cruiser	NLC	LC
<i>Macromia clio</i> Ris, 1916 River Cruiser	NLC	LC
<i>Macromia urania</i> Ris, 1916 Club-tailed Cruiser	NLC	LC

3.7 List of Data Deficient Odonata in Taiwan

Taxa	Taiwanese Red List Category in 2025	Global Red List Category in 2025
<i>Pseudagrion rubriceps rubriceps</i> Selys, 1876 Saffron-faced Blue Sprite	DD	LC
<i>Prodasineura autumnalis</i> (Fraser, 1932) Black Threadtail	DD	LC
<i>Indothemis carnatica</i> (Fabricius, 1798) Black Matsh Skimmer	DD	LC
<i>Lathrecista asiatica asiatica</i> (Fabricius, 1798) Scarlet Grenadier	DD	LC
<i>Tramea transmarina propinqua</i> Lieftinck, 1942 Ocean Glider, propinqua subspecies	DD	LC
<i>Urothemis signata signata</i> (Rambur, 1842) Scarlet Basker, signata subspecies	DD	LC
<i>Macromia cupricincta berlandi</i> Lieftinck, 1941 Angled-winged Cruiser	DD	LC

3.8 List of Not Evaluated Odonata Taxa in Taiwan

Taxa	Taiwanese Red List Category in 2025	Global Red List Category in 2025
<i>Neurobasis chinensis chinensis</i> (Linnaeus, 1758) Chinese Greenwing	-	LC
<i>Ischnura asiatica</i> (Brauer, 1865) Asian Bluetail	-	LC
<i>Mortonagrion selenion</i> (Ris, 1916) Crescent-spot Midget	-	NT
<i>Paracercion sieboldii</i> (Selys, 1876) Siebold's Lilysquatter	-	-
<i>Lestes concinnus</i> Hagen, 1862 Dusky Spreadwing	-	LC
<i>Anax julius</i> Brauer, 1865 Lesser Emperor	-	-



Taxa	Taiwanese Red List Category in 2025	Global Red List Category in 2025
<i>Deielia phaon</i> (Selys, 1883) Bright-veined Skimmer	-	LC
<i>Neurothemis fulvia</i> (Drury, 1773) Russet Percher	-	LC
<i>Sympetrum cordulegaster</i> (Selys, 1883) Long-tailed Darter	-	LC
<i>Sympetrum darwinianum</i> (Selys, 1883) Summer Darter	-	LC
<i>Sympetrum depressiusculum</i> (Selys, 1841) Spotted Darter	-	LC
<i>Sympetrum fonscolombii</i> (Selys, 1840) Red-veined Darter	-	LC
<i>Sympetrum infuscatum</i> (Selys, 1883) Brown-tipped Darter	-	-
<i>Sympetrum kunckeli</i> (Selys, 1884) Azure-faced Darter	-	LC
<i>Sympetrum parvulum</i> (Bartenev, 1913) Small Darter	-	LC
<i>Trithemis pallidinervis</i> (Kirby, 1889) Dancing Dropwing	-	LC



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發行人 林華慶

作者 李宜龍、周詠鈞、胡芳碩、馬承漢、陳賜隆、葉文琪、羅吉民

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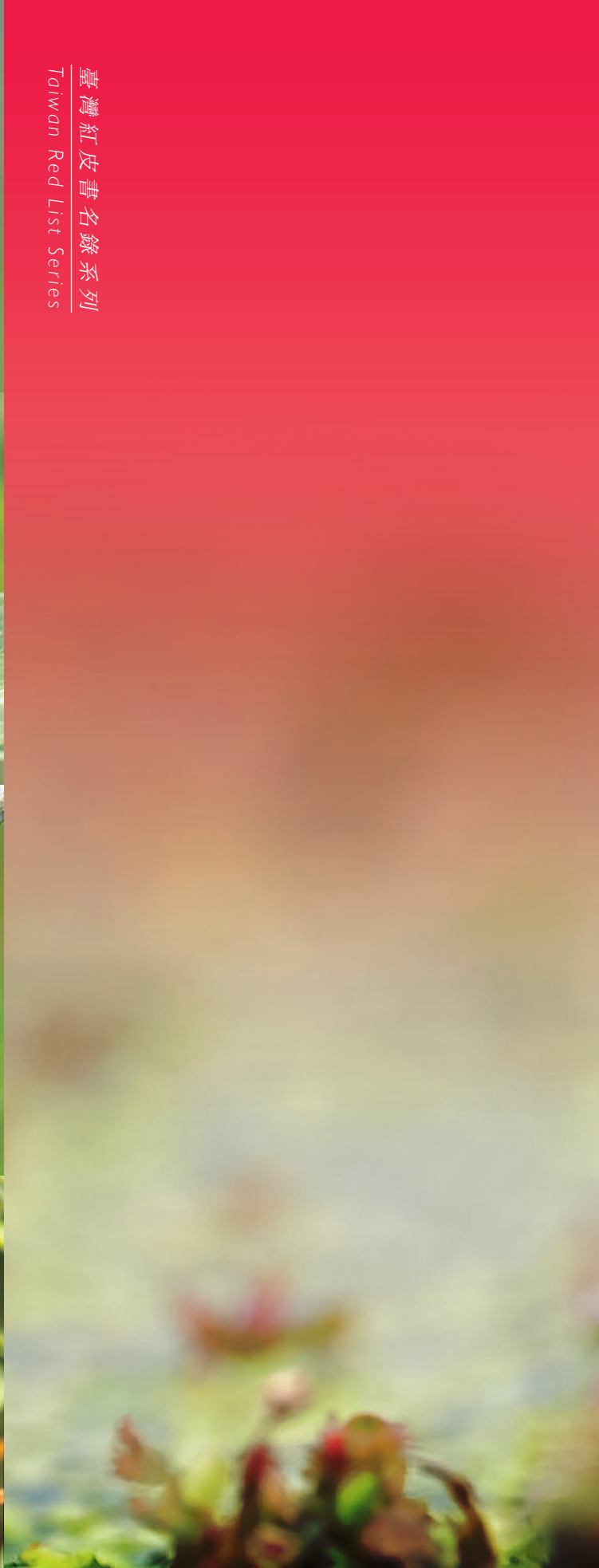
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- 1 | *Rhyothemis severini*
賽琳蜻蜓 Greater Sapphire Flutterer
胡芳碩 / 提供
- 2 | *Ceriagrion melanurum*
黃腹細蟴 Yellow-bellied Sprite
胡芳碩 / 提供
- 3 | *Orthetrum albistylum speciosum*
白刃蜻蜓 White-tailed Skimmer
馬承漢 / 提供
- 4 | *Sarasaeschna kaoi*
短缺晏蜓 Short-tailed Bog-hawker
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