

Appendix 8.6a – Dragonfly Species Recorded

Mean (Maximum count) of dragonfly species recorded in PDAs and Assessment Area from January to September 2013

Common Name	Scientific Name	Conservation Status ¹	Status in HK ²	PDAs									Assessment Area (excluding PDAs)												
				Channelised Watercourse	Developed Area	Dry Agricultural Land	Grassland/Shrubland	Inactive Agricultural Land	Mixed Dry & Wet Agricultural Land	Natural Watercourse	Seasonally Wet Grassland	Secondary woodland	Village Area	Wasteland	Channelised Watercourse	Dry Agricultural Land	Grassland/Shrubland	Inactive Agricultural Land	Mixed Dry & Wet Agricultural Land	Natural Watercourse	Orchard	Pond	Seasonally Wet Grassland	Secondary woodland	Village Area
Common Blue Jewel	<i>Rhinocypha perforata</i>	-	A														0.56 (5)								
Black-banded Gossamerwing	<i>Euphaea decorata</i>	-	A														0.89 (5)								
Orange-tailed Midget	<i>Agriocnemis femina</i>	-	A					0.11 (1)																	
Wandering Midget	<i>Agriocnemis pygmaea</i>	-	C					0.22 (2)									1.11 (10)								
Orange-tailed Sprite	<i>Ceriagrion auranticum</i>	-	A			0.11 (1)				0.33 (3)				0.22 (1)			1(5)			0.11 (1)	0.11 (1)	0.67 (5)	0.11 (1)		
Common Bluetail	<i>Ischnura senegalensis</i>	-	A			0.11 (1)								0.22 (2)	0.11 (1)										
Orange-faced Sprite	<i>Pseudagrion rubriceps</i>	-	C					0.11 (1)									1.44 (8)						0.44 (4)		
Yellow Featherlegs	<i>Coperia marginipes</i>	-	A	1.11 (10)	1.67 (15)	0.89 (5)	0.11 (1)	0.11 (1)						0.33 (3)			6.89 (46)								
Black Threadtail	<i>Prodasineura autumnalis</i>	-	A		0.22 (2)	0.11 (1)		0.22 (1)						0.22 (1)	0.22 (2)		0.67 (3)								
Pale-spotted Emperor	<i>Anax guttatus</i>	-	C	0.11 (1)											0.33 (1)										
Blue-spotted Dusk-hawker	<i>Gynacantha japonica</i>	LC	C														0.11 (1)								
Common Flangetail	<i>Ictinogomphus pertinax</i>	-	C											0.44 (4)			1.33 (5)		0.22 (1)	0.11 (1)		0.11 (1)			
Asian Amberwing	<i>Brachythemis contaminata</i>	-	A											0.22 (1)					0.11 (1)						
Crimson Darter	<i>Crocothemis servilia</i>	-	A				0.11 (1)							0.11 (1)			0.11 (1)								
Blue Percher	<i>Diplacodes trivialis</i>	-	A		0.11 (1)									0.11 (1)											
Russet Percher	<i>Neurothemis fulvia</i>	-	C		0.22 (2)	0.56 (3)	0.33 (3)							0.67 (2)			0.33 (2)		0.11 (1)			0.11 (1)			
Pied Percher	<i>Neurothemis tullia</i>	-	A											0.22 (1)											
Red-faced Skimmer	<i>Orthetrum chrysis</i>	-	A	0.11 (1)		0.11 (1)																0.11 (1)			
Common Blue Skimmer	<i>Orthetrum glaucum</i>	-	A			0.11 (1)	0.11 (1)							0.22 (1)			1.11 (6)					0.33 (2)			

Common Name	Scientific Name	Conservation Status ¹	Status in HK ²	PDAs										Assessment Area (excluding PDAs)																			
				Channelised Watercourse	Developed Area	Dry Agricultural Land	Grassland/Shrubland	Inactive Agricultural Land	Mixed Dry & Wet Agricultural land	Natural Watercourse	Seasonally Wet Grassland	Secondary woodland	Village Area	Wasteland	Channelised Watercourse	Dry Agricultural Land	Grassland/Shrubland	Inactive Agricultural Land	Mixed Dry & Wet Agricultural land	Natural Watercourse	Orchard	Pond	Grassland	Seasonally Wet Grassland	Secondary woodland	Village Area	Wasteland						
Marsh Skimmer	<i>Orthetrum luzonicum</i>	-	A											0.1 1(1)																			
Common Red Skimmer	<i>Orthetrum pruinosum</i>	-	A	0.22 (2)	0.33 (2)	0.22 (1)	0.11 (1)	0.22 (1)	0.22 (1)	1.44 (12)				0.3 3(3)	1.56 (4)	0.44 (3)			2.33 (10)			1.22 (6)		0.11 (1)	0.78 (5)								
Green Skimmer	<i>Orthetrum sabina</i>	-	A	0.33 (3)		0.22 (1)	0.11 (1)	0.44 (3)	0.11 (1)	0.44 (3)				0.22 (2)	0.33 (3)	0.22 (1)		0.22 (2)	0.89 (7)		0.33 (2)		1(5)	0.11 (1)	0.22 (1)								
Wandering Glider	<i>Pantala flavescens</i>	-	A		2.11 (17)	2.67 (22)	0.11 (1)	0.11 (1)	0.11 (1)		0.67 (6)	0.11 (1)	0.56 (5)		0.78 (5)	3.67 (30)	1.44 (5)	0.11 (1)	1.11 (10)	0.11 (1)		0.11 (1)	10.6 7(50)	0.89 (7)	2 (17)	1.33 (9)							
Blue Chaser	<i>Potamarcha congener</i>	LC	C																0.11 (1)														
Pied Skimmer	<i>Pseudothemis zonata</i>	-	C									0.11 (1)																					
Variagated Flutterer	<i>Rhyothemis variegata</i>	-	C											0.11 (1)	0.11 (1)				1.11 (10)		0.56 (5)	0.22 (1)											
Evening Skimmer	<i>Tholymis tillarga</i>	-	C	0.11 (1)																			0.44 (4)										
Saddlebag Glider	<i>Tramea virginia</i>	-	A													0.44 (3)																	
Crimson Dropwing	<i>Trithemis aurora</i>	-	A	1.11 (10)		0.22 (1)	0.11 (1)	0.22 (2)	0.22 (2)	1.33 (11)	1.44 (13)			0.22 (2)	0.11 (1)	0.33 (1)			2.78 (7)	0.11 (1)	0.33 (2)		0.22 (2)	0.11 (1)									
Indigo Dropwing	<i>Trithemis festiva</i>	-	A	0.56 (5)	0.11 (1)	0.11 (1)	0.11 (1)	0.11 (1)		0.33 (1)	0.22 (2)			0.11 (1)	0.11 (1)	0.22 (2)			2.56 (11)					0.11 (1)									
Emerald Cascader	<i>Zygonyx iris insignis</i>	PG C	A																	0.44 (4)													
Number of species recorded				8	7	6	11	9	4	9	3	3	1	2	9	10	12	1	2	20	1	7	7	6	8	4							
														21										28									

Notes:

1 - Status follows Fellowes *et al.* (2002): LC = Local Concern; PGC = Potential Global Concern.

2 - Status in HK follows Tam *et al.* (2011): A = Abundant; C = Common.

- Mean number and maximum count of each dragonfly species are presented. Mean number represents the average number of dragonfly recorded during the survey period, while maximum count refers to the highest number of individuals recorded during the survey period.

Appendix 8.6b – Dragonfly Species Recorded in PDAs and Assessment Area during Additional Survey

Mean (Maximum count) of dragonfly species recorded in PDAs and Assessment Area during additional survey from January to September 2014

Common Name	Scientific Name	Conservation Status ¹	Status in HK ²	PDAs		Assessment Area (excluding PDAs)												
				Channelised Watercourse	Developed Area	Channelised Watercourse	Developed Area	Dry Agricultural Land	Grassland	Grassland/ Shrubland	Natural Watercourse	Orchard	Plantation	Pond	Reedbed	Seasonal Wet Grassland	Village Area	Wasteland
Wandering Midget	<i>Agriocnemis pygmaea</i>	-	C												1(4)			
Orange-tailed Sprite	<i>Ceriagrion auranticum</i>	-	A								0.5(2)				0.75(2)	0.25(1)		
Orange-faced Sprite	<i>Pseudagrion rubriceps</i>	-	C								0.25(1)							
Yellow Featherlegs	<i>Copera marginipes</i>	-	A								1.25(3)				0.5(1)		0.25(1)	
Black Threadtail	<i>Prodasineura autumnalis</i>	-	A								0.75(2)							
Pale-spotted Emperor	<i>Anax guttatus</i>	-	C														0.25(1)	
Elusive Adjutant	<i>Aethriamanta brevipennis</i>	-	UC												0.25(1)			
Blue Dasher	<i>Brachydiplax chalybea</i>	-	C												0.5(2)	0.75(3)		
Asian Amberwing	<i>Brachythemis contaminata</i>	-	A										0.25(1)					
Crimson Darter	<i>Crocothemis servilia</i>	-	A								0.5(2)							
Amber-winged Glider	<i>Hydrobasileus croceus</i>	-	C													0.5(2)		
Russet Percher	<i>Neurothemis fulvia</i>	-	C						0.25(1)									
Marsh Skimmer	<i>Orthetrum luzonicum</i>	-	A													0.5(2)		
Common Red Skimmer	<i>Orthetrum pruinosum</i>	-	A			0.25(1)			0.25(1)		2(5)			0.5(1)			0.25(1)	1.25(4)
Green Skimmer	<i>Orthetrum sabina</i>	-	A					0.5(2)	0.25(1)		1.5(6)			0.75(3)		0.25(1)		
Wandering Glider	<i>Pantala flavescens</i>	-	A		0.5(2)	2.5(10)	1.25(5)		0.5(2)	2.5(10)		1.25(4)	1.25(5)					
Pied Skimmer	<i>Pseudothemis zonata</i>	-	C	0.25(1)											0.25(1)	0.25(1)		
Variiegated Flutterer	<i>Rhyothemis variegata</i>	-	C													0.5(2)		
Crimson Dropwing	<i>Trithemis aurora</i>	-	A	0.25(1)							0.25(1)					0.25(1)		
Indigo Dropwing	<i>Trithemis festiva</i>	-	A			0.25(1)												
Dingy Dusk-darter	<i>Zyxomma petiolatum</i>	-	C													0.25(1)		
Number of species recorded				2	1	3	1	1	4	1	8	1	1	3	6	9	3	1
				3		21												

Notes:

1 - Status follows Fellowes *et al.* (2002).

2 - Status in HK follows Tam *et al.* (2011); A = Abundant; C = Common; UC = Uncommon.

- Mean number and maximum count of each dragonfly species are presented. Mean number represents the average number of dragonfly recorded during the survey period, while maximum count refers to the highest number of individuals recorded during the survey period.

Appendix 8.6c – Dragonfly Species Recorded in PDAs and Assessment Area during Additional Survey

Mean (Maximum count) of dragonfly species recorded in PDAs and Assessment Area during additional survey from September to December 2016

Common Name	Scientific Name	Conservation Status ¹	Status in HK ²	PDAs						Assessment Area (excluding PDAs)									
				Natural Watercourse	Wet Agricultural Land	Mixed Dry & Wet Agricultural Land	Dry Agricultural Land	Inactive Agricultural Land	Secondary Woodland	Developed Area	Natural Watercourse	Channelised Watercourse	Wet Agricultural Land	Mixed Dry & Wet Agricultural Land	Dry Agricultural Land	Inactive Agricultural Land	Grassland/Shrubland	Secondary Woodland	Developed Area
Orange-tailed Sprite	<i>Ceriagrion auranticum</i>	-	A								0.75 (3)						0.5 (2)		
Orange-faced Sprite	<i>Pseudagrion rubriceps</i>	-	C							0.5 (2)									
Yellow Featherlegs	<i>Copera marginipes</i>	-	A	2 (8)				0.75 (3)			1 (4)								
Black Threadtail	<i>Prodasineura autumnalis</i>	-	A	0.5 (2)						1.5 (3)	0.5 (2)								
Pale-spotted Emperor	<i>Anax guttatus</i>	-	C										0.5 (2)						
Lesser Emperor	<i>Anax parthenope</i>	-	C								0.25 (1)								
Common Flangetail	<i>Ictinogomphus pertinax</i>	-	C							1.25 (5)									
Blue Dasher	<i>Brachydiplax chalybea</i>	-	C							1 (4)	0.5 (2)								
Asian Amberwing	<i>Brachythemis contaminata</i>	-	A			0.75 (3)				1 (4)	1.25 (5)		1 (4)						
Blue Percher	<i>Diplacodes trivialis</i>	-	A				0.5 (1)						0.25 (1)						
Russet Percher	<i>Neurothemis fulvia</i>	-	C														1.75 (5)		
Pied Percher	<i>Neurothemis tullia</i>	-	A							2 (8)							0.5 (2)		
Red-faced Skimmer	<i>Orthetrum chrysis</i>	-	A	0.25 (1)						0.5 (2)	0.25 (1)								
Common Blue Skimmer	<i>Orthetrum glaucum</i>	-	A	1.5 (6)	0.75 (3)				0.25 (1)	1 (4)	0.5 (2)					0.25 (1)	2.75 (5)		
Common Red Skimmer	<i>Orthetrum pruinosum</i>	-	A	1.5 (6)	1.5 (2)		0.75 (2)	0.5 (2)		2 (5)	2.5 (3)	1 (4)	0.5 (2)		0.25 (1)		1.25 (3)		
Green Skimmer	<i>Orthetrum sabina</i>	-	A		1 (2)	1 (4)	2.75 (5)	0.5 (2)		2.25 (6)	2.5 (5)	0.5 (2)	1 (4)	0.75 (3)	0.75 (3)	0.75 (3)	2 (3)		
Wandering Glider	<i>Pantala flavescens</i>	-	A		1.25 (5)	1 (4)	3.75 (10)	1.25 (5)		1.5 (5)	2.5 (5)	4.75 (5)	0.5 (2)	0.25 (1)	0.5 (2)	2.5 (10)	7.5 (10)	1.25 (5)	
Blue Chaser	<i>Potamarcha congener</i>	LC	C			0.25 (1)													
Variegated Flutterer	<i>Rhyothemis variegata</i>	-	C							1.25 (5)	0.5 (2)								
Crimson Dropwing	<i>Trithemis aurora</i>	-	A	1.25 (5)						2 (5)	0.75 (2)						0.25 (1)		
Indigo Dropwing	<i>Trithemis festiva</i>	-	A	3 (12)						0.75 (3)									
Number of species recorded				7	4	4	4	4	1	1	14	13	2	6	2	3	3	8	1
				12						20									

Notes:

1 - Status follows Fellowes *et al.* (2002): LC = Local Concern.

2 - Status in HK follows Tam *et al.* (2011): A = Abundant; C = Common.

- Mean number and maximum count of each dragonfly species are presented. Mean number represents the average number of dragonfly recorded during the survey period, while maximum count refers to the highest number of individuals recorded during the survey period.