

Appendix 1. Bird data collected from December 2021 to November 2022 from the nine survey sites in the proposed Northern Metropolis. Conservation Status: NT = Near Threatened, VU = Vulnerable, EN = Endangered, CR = Critically Endangered, I = State Class I protected, II = State Class II protected, GC = Global Concern, RC = Regional Concern, LC = Local Concern, PGC = Potential Global Concern, PRC = Potential Regional Concern; letters in parentheses indicate that the assessment is on the basis of restrictedness in breeding and/or roosting sites rather than in general occurrence. **Species of conservation concern are bolded.**

Common Name	Scientific Name	IUCN Red List of Threatened Species (2022)	Redlist of China's Vertebrates (2016)	State Key Protected Wild Animals List (2021)	Fellowes <i>et al.</i> (2002)	Sandy Ridge Wetland Mosaic	Chow Tin - Lei Uk	Tai Po Tin - Shan Kai Wat	Lok Ma Chau Village	Heung Yuen Wai - Tsung Yuen Ha	Shek Wu Wai	Ping Yeung Old Village - Shui Lau Hang	Sing Ping	Chuk Yuen
Eurasian Teal	<i>Anas crecca</i>				RC	✓	✓				✓			
Chinese Francolin	<i>Francolinus pintadeanus</i>		NT			✓			✓	✓				✓
Japanese Quail	<i>Coturnix japonica</i>	NT			LC	✓	✓							
Savanna Nightjar	<i>Caprimulgus affinis</i>					✓	✓	✓		✓		✓		
House Swift	<i>Apus nipalensis</i>					✓	✓	✓	✓	✓	✓	✓	✓	
Greater Coucal	<i>Centropus sinensis</i>			II		✓	✓	✓	✓	✓	✓	✓	✓	✓
Lesser Coucal	<i>Centropus bengalensis</i>			II		✓	✓	✓	✓	✓		✓	✓	✓
Asian Koel	<i>Eudynamys scolopaceus</i>					✓	✓	✓	✓	✓	✓	✓	✓	✓
Plaintive Cuckoo	<i>Cacomantis merulinus</i>					✓	✓		✓	✓	✓	✓		
Large Hawk-Cuckoo	<i>Hierococcyx sparverioides</i>					✓	✓	✓	✓	✓	✓	✓	✓	✓
Indian Cuckoo	<i>Cuculus micropterus</i>					✓		✓	✓					✓
Rock Dove	<i>Columba livia</i>					✓	✓		✓	✓				
Oriental Turtle Dove	<i>Streptopelia orientalis</i>					✓	✓	✓	✓	✓				
Red Collared Dove	<i>Streptopelia tranquebarica</i>						✓	✓						
Spotted Dove	<i>Spilopelia chinensis</i>					✓	✓	✓	✓	✓	✓	✓	✓	✓
Common Emerald Dove	<i>Chalcophaps indica</i>						✓			✓				
Common Moorhen	<i>Gallinula chloropus</i>					✓								
Eurasian Coot	<i>Fulica atra</i>				RC	✓								
White-breasted Waterhen	<i>Amaurornis phoenicurus</i>					✓	✓	✓	✓	✓	✓	✓	✓	✓
Little Grebe	<i>Tachybaptus ruficollis</i>				LC	✓			✓					
Black-winged Stilt	<i>Himantopus himantopus</i>				RC	✓	✓							

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Little Ringed Plover	<i>Charadrius dubius</i>				(LC)	✓	✓	✓	✓					
Greater Painted-snipe	<i>Rostratula benghalensis</i>				LC			✓	✓					
Eurasian Woodcock	<i>Scolopax rusticola</i>									✓				
Swinhoe's/Pintail Snipe	<i>Gallinago megala/stenura</i>				LC*		✓	✓	✓					
Common Snipe	<i>Gallinago gallinago</i>						✓		✓		✓			
Common Sandpiper	<i>Actitis hypoleucos</i>					✓			✓		✓			
Green Sandpiper	<i>Tringa ochropus</i>					✓	✓	✓	✓	✓	✓			
Common Redshank	<i>Tringa totanus</i>				RC		✓							
Wood Sandpiper	<i>Tringa glareola</i>				LC		✓	✓	✓		✓			
Common Greenshank	<i>Tringa nebularia</i>				RC	✓	✓				✓			
Great Cormorant	<i>Phalacrocorax carbo</i>				PRC	✓			✓					
Black-faced Spoonbill	<i>Platalea minor</i>	EN	EN	I	PGC				✓					
Yellow Bittern	<i>Ixobrychus sinensis</i>				(LC)	✓							✓	
Cinnamon Bittern	<i>Ixobrychus cinnamomeus</i>				LC	✓								
Black-crowned Night Heron	<i>Nycticorax nycticorax</i>				(LC)	✓	✓		✓	✓	✓			✓
Striated Heron	<i>Butorides striata</i>				(LC)					✓				
Chinese Pond Heron	<i>Ardeola bacchus</i>				PRC (RC)	✓	✓	✓	✓	✓	✓	✓	✓	✓
Eastern Cattle Egret	<i>Bubulcus coromandus</i>				(LC)	✓	✓	✓	✓		✓	✓		✓
Grey Heron	<i>Ardea cinerea</i>				PRC	✓	✓	✓		✓	✓		✓	
Purple Heron	<i>Ardea purpurea</i>				RC	✓								
Great Egret	<i>Ardea alba</i>				PRC (RC)	✓		✓	✓		✓	✓		
Intermediate Egret	<i>Ardea intermedia</i>				RC	✓			✓					
Little Egret	<i>Egretta garzetta</i>				PRC (RC)	✓	✓	✓	✓	✓	✓		✓	
Western Osprey	<i>Pandion haliaetus</i>		NT	II	RC		✓							
Crested Serpent Eagle	<i>Spilornis cheela</i>		NT	II	(LC)	✓	✓	✓	✓	✓	✓			
Greater Spotted Eagle	<i>Clanga clanga</i>	VU	EN	I	GC				✓					

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Eastern Imperial Eagle	<i>Aquila heliaca</i>	VU	EN	I	GC	✓								
Crested Goshawk	<i>Accipiter trivirgatus</i>		NT	II		✓	✓	✓		✓				
Japanese Sparrowhawk	<i>Accipiter gularis</i>			II				✓						
Besra	<i>Accipiter virgatus</i>			II			✓	✓	✓		✓			
Black Kite	<i>Milvus migrans</i>			II	(RC)	✓	✓	✓	✓	✓	✓	✓	✓	✓
Eastern Buzzard	<i>Buteo japonicus</i>			II		✓	✓	✓	✓	✓		✓		✓
Asian Barred Owlet	<i>Glaucidium cuculoides</i>			II		✓	✓	✓	✓	✓		✓	✓	✓
Collared Scops Owl	<i>Otus lettia</i>			II			✓			✓		✓		
Brown Fish Owl	<i>Ketupa zeylonensis</i>		EN	II	RC					✓				
Eurasian Hoopoe	<i>Upupa epops</i>											✓		
White-throated Kingfisher	<i>Halcyon smyrnensis</i>			II	(LC)	✓	✓	✓	✓	✓	✓			✓
Black-capped Kingfisher	<i>Halcyon pileata</i>	VU			(LC)	✓								
Common Kingfisher	<i>Alcedo atthis</i>					✓		✓	✓	✓	✓		✓	
Pied Kingfisher	<i>Ceryle rudis</i>				(LC)	✓			✓		✓			
Great Barbet	<i>Psilopogon virens</i>						✓							
Eurasian Wryneck	<i>Jynx torquilla</i>						✓		✓					
Speckled Piculet	<i>Picumnus innominatus</i>				LC	✓	✓	✓		✓				✓
Common Kestrel	<i>Falco tinnunculus</i>			II			✓	✓						✓
Amur Falcon	<i>Falco amurensis</i>		NT	II			✓							
Eurasian Hobby	<i>Falco subbuteo</i>			II	(LC)		✓						✓	
Alexandrine Parakeet	<i>Psittacula eupatria</i>	NT		II		✓	✓	✓		✓		✓	✓	✓
Ashy Woodswallow	<i>Artamus fuscus</i>											✓		
Scarlet Minivet	<i>Pericrocotus speciosus</i>							✓		✓		✓		
Black-winged Cuckooshrike	<i>Lalage melaschistos</i>										✓		✓	
Bull-headed Shrike	<i>Lanius bucephalus</i>							✓						
Brown Shrike	<i>Lanius cristatus</i>					✓	✓	✓				✓		✓

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Long-tailed Shrike	<i>Lanius schach</i>					✓	✓	✓	✓	✓	✓	✓	✓	✓
Hair-crested Drongo	<i>Dicrurus hottentottus</i>					✓		✓	✓	✓	✓		✓	✓
Indochinese Green Magpie	<i>Cissa hypoleuca</i>		NT	II								✓		
Black Drongo	<i>Dicrurus macrocercus</i>					✓	✓	✓	✓		✓	✓		
Black-naped Monarch	<i>Hypothymis azurea</i>							✓						
Azure-winged Magpie	<i>Cyanopica cyanus</i>								✓					
Red-billed Blue Magpie	<i>Urocissa erythroryncha</i>					✓	✓	✓	✓	✓	✓	✓	✓	✓
Oriental Magpie	<i>Pica serica</i>					✓	✓				✓		✓	
Collared Crow	<i>Corvus torquatus</i>	VU	NT		LC	✓	✓		✓	✓	✓	✓		
Large-billed Crow	<i>Corvus macrorhynchos</i>					✓	✓	✓	✓	✓		✓	✓	✓
Japanese Tit	<i>Parus minor</i>					✓	✓	✓	✓	✓	✓	✓	✓	✓
Chinese Penduline Tit	<i>Remiz consobrinus</i>				RC				✓					
Chestnut Bulbul	<i>Hemixos castanonotus</i>									✓				
Black Bulbul	<i>Hypsipetes leucocephalus</i>							✓						
Chinese Bulbul	<i>Pycnonotus sinensis</i>					✓	✓	✓	✓	✓	✓	✓	✓	✓
Red-whiskered Bulbul	<i>Pycnonotus jocosus</i>					✓	✓	✓	✓	✓	✓	✓	✓	✓
Sooty-headed Bulbul	<i>Pycnonotus aurigaster</i>					✓	✓	✓	✓	✓	✓	✓	✓	
Barn Swallow	<i>Hirundo rustica</i>					✓	✓	✓	✓	✓	✓	✓	✓	✓
Red-rumped Swallow	<i>Cecropis daurica</i>					✓	✓	✓		✓	✓			
Mountain Tailorbird	<i>Phyllergates cucullatus</i>									✓			✓	
Manchurian Bush Warbler	<i>Horornis canturians</i>					✓								
Yellow-browed Warbler	<i>Phylloscopus inornatus</i>					✓	✓	✓	✓	✓	✓	✓	✓	✓
Pallas's Leaf Warbler	<i>Phylloscopus proregulus</i>					✓	✓	✓		✓		✓	✓	
Dusky Warbler	<i>Phylloscopus fuscatus</i>					✓	✓	✓	✓	✓	✓	✓	✓	✓
Arctic Warbler	<i>Phylloscopus borealis</i>					✓								
Oriental Reed Warbler	<i>Acrocephalus orientalis</i>						✓		✓					

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Black-browed Reed Warbler	<i>Acrocephalus bistrigiceps</i>								✓					
Russet Bush Warbler	<i>Locustella mandelli</i>						✓	✓						
Zitting Cisticola	<i>Cisticola juncidis</i>				LC			✓				✓	✓	
Yellow-bellied Prinia	<i>Prinia flaviventris</i>					✓	✓	✓	✓	✓	✓	✓	✓	✓
Plain Prinia	<i>Prinia inornata</i>					✓	✓	✓	✓	✓	✓	✓	✓	✓
Common Tailorbird	<i>Orthotomus sutorius</i>					✓	✓	✓	✓	✓	✓	✓	✓	✓
Swinhoe's White-eye	<i>Zosterops simplex</i>					✓	✓	✓	✓	✓	✓	✓	✓	✓
Rufous-capped Babbler	<i>Cyanoderma ruficeps</i>				LC		✓			✓		✓		
Chinese Hwamei	<i>Garrulax canorus</i>		NT	II		✓	✓							
Black-throated Laughingthrush	<i>Pterorhinus chinensis</i>			II			✓	✓		✓		✓		
Masked Laughingthrush	<i>Pterorhinus perspicillatus</i>					✓	✓	✓	✓	✓	✓	✓	✓	✓
Velvet-fronted Nuthatch	<i>Sitta frontalis</i>							✓						
Crested Myna	<i>Acridotheres cristatellus</i>					✓	✓	✓	✓	✓	✓	✓	✓	✓
Common Myna	<i>Acridotheres tristis</i>						✓	✓	✓		✓			✓
White-cheeked Starling	<i>Spodiopsar cineraceus</i>				PRC	✓	✓	✓	✓	✓				
Black-collared Starling	<i>Gracupica nigricollis</i>					✓	✓	✓	✓	✓	✓	✓	✓	✓
White-shouldered Starling	<i>Sturnia sinensis</i>				(LC)		✓	✓	✓		✓	✓		
Chinese Blackbird	<i>Turdus mandarinus</i>					✓	✓	✓			✓		✓	
Oriental Magpie-Robin	<i>Copsychus saularis</i>					✓	✓	✓	✓	✓	✓	✓	✓	✓
Grey-streaked Flycatcher	<i>Muscicapa griseisticta</i>					✓						✓		
Dark-sided Flycatcher	<i>Muscicapa sibirica</i>					✓								
Asian Brown Flycatcher	<i>Muscicapa dauurica</i>					✓	✓					✓	✓	
Blue-and-white Flycatcher	<i>Cyanoptila cyanomelana</i>						✓							
Verditer Flycatcher	<i>Eumyias thalassinus</i>					✓		✓			✓			
Siberian Rubythroat	<i>Calliope calliope</i>			II		✓	✓	✓		✓	✓	✓		✓
Blue Whistling Thrush	<i>Myophonus caeruleus</i>					✓								

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Red-throated Flycatcher	<i>Ficedula albicilla</i>					✓	✓	✓			✓	✓	✓	
Daurian Redstart	<i>Phoenicurus aureoreus</i>					✓	✓	✓	✓	✓	✓	✓	✓	✓
Amur Stonechat	<i>Saxicola stejnegeri</i>					✓	✓	✓	✓	✓	✓	✓	✓	✓
Fire-breasted Flowerpecker	<i>Dicaeum ignipectus</i>											✓		
Scarlet-backed Flowerpecker	<i>Dicaeum cruentatum</i>					✓	✓	✓		✓			✓	✓
White-headed Munia	<i>Lonchura maja</i>							✓						
Fork-tailed Sunbird	<i>Aethopyga christinae</i>					✓	✓			✓	✓	✓		
Eurasian Tree Sparrow	<i>Passer montanus</i>						✓	✓	✓	✓	✓	✓	✓	✓
Scaly-breasted Munia	<i>Lonchura punctulata</i>					✓	✓	✓	✓	✓	✓	✓	✓	✓
White-rumped Munia	<i>Lonchura striata</i>							✓		✓	✓		✓	
Chestnut Munia	<i>Lonchura atricapilla</i>							✓						
Eastern Yellow Wagtail	<i>Motacilla tschutschensis</i>					✓	✓	✓	✓		✓	✓		✓
Grey Wagtail	<i>Motacilla cinerea</i>					✓	✓	✓	✓	✓	✓	✓	✓	✓
White Wagtail	<i>Motacilla alba</i>					✓	✓	✓	✓	✓	✓	✓	✓	✓
Richard's Pipit	<i>Anthus richardi</i>						✓	✓	✓			✓		
Olive-backed Pipit	<i>Anthus hodgsoni</i>					✓	✓	✓	✓	✓	✓	✓	✓	✓
Red-throated Pipit	<i>Anthus cervinus</i>				LC		✓	✓	✓		✓			
Buff-bellied Pipit	<i>Anthus rubescens</i>				LC			✓	✓					
Yellow-fronted Canary	<i>Crithagra mozambica</i>					✓								
Chinese Grosbeak	<i>Eophona migratoria</i>				LC	✓	✓	✓	✓	✓				
Japanese Grosbeak	<i>Eophona personata</i>		NT				✓							
Common Rosefinch	<i>Carpodacus erythrinus</i>				LC	✓								
Grey-capped Greenfinch	<i>Chloris sinica</i>				LC	✓								
Crested Bunting	<i>Emberiza lathami</i>				LC							✓		
Little Bunting	<i>Emberiza pusilla</i>					✓	✓	✓	✓	✓	✓	✓	✓	
Yellow-breasted Bunting	<i>Emberiza aureola</i>	CR	EN	I	RC			✓	✓	✓			✓	

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Chestnut Bunting	<i>Emberiza rutila</i>								✓					
Japanese Yellow Bunting	<i>Emberiza sulphurata</i>		VU		GC				✓					
Black-faced Bunting	<i>Emberiza spodocephala</i>					✓	✓	✓	✓	✓	✓	✓	✓	

* for Swinhoe's Snipe

Appendix 2. Incidental amphibian records from the nine survey sites in the proposed Northern Metropolis. Conservation Status: EN = Endangered, II = State Class II protected. Species of conservation concern are bolded.

Common Name	Scientific Name	Redlist of China's Vertebrates (2016)	State Key Protected Wild Animals List (2021)	Sandy Ridge Wetland Mosaic	Chow Tin - Lei Uk	Tai Po Tin - Shan Kai Wat	Lok Ma Chau Village	Heung Yuen Wai - Tsung Yuen Ha	Shek Wu Wai	Ping Yeung Old Village - Shui Lau Hang	Sing Ping	Chuk Yuen
Asian Common Toad	<i>Duttaphrynus melanostictus</i>			✓	✓	✓		✓		✓	✓	✓
Günther's Frog	<i>Sylvirana guentheri</i>			✓	✓	✓	✓	✓	✓	✓	✓	
Paddy Frog	<i>Fejervarya multistriata</i>			✓	✓	✓	✓	✓	✓	✓	✓	✓
Chinese Bullfrog	<i>Hoplobatrachus chinensis</i>	EN	II			✓	✓	✓	✓	✓		
Brown Tree Frog	<i>Polypedates megacephalus</i>			✓	✓	✓	✓	✓	✓	✓	✓	✓
Butler's Pigmy Frog	<i>Microhyla butleri</i>				✓	✓				✓		
Ornate Pigmy Frog	<i>Microhyla fissipes</i>			✓	✓	✓	✓	✓	✓	✓	✓	✓
Marbled Pigmy Frog	<i>Microhyla pulchra</i>					✓	✓	✓	✓			✓
Asiatic Painted Frog	<i>Kaloula pulchra</i>			✓	✓	✓						
Spotted Narrow-mouthed Frog	<i>Kalophrynus interlineatus</i>					✓						
Greenhouse Frog*	<i>Eleutherodactylus planirostris</i>			✓	✓	✓					✓	✓

* non-native species

Appendix 3. Incidental reptile records from the nine survey sites in the proposed Northern Metropolis. Conservation Status: LC = Local Concern. Species of conservation concern are bolded.

Common Name	Scientific Name	Fellowes <i>et al.</i> (2002)	Sandy Ridge Wetland Mosaic	Chow Tin - Lei Uk	Tai Po Tin - Shan Kai Wat	Lok Ma Chau Village	Heung Yuen Wai - Tsung Yuen Ha	Shek Wu Wai	Ping Yeung Old Village - Shui Lau Hang	Sing Ping	Chuk Yuen
Red-eared Slider*	<i>Trachemys scripta</i>						✓	✓			
Chinese Gecko	<i>Gekko chinensis</i>		✓								
Bowring's Gecko	<i>Hemidactylus bowringii</i>		✓	✓	✓						
Garnot's Gecko	<i>Hemidactylus garnotii</i>		✓		✓						
Changeable Lizard	<i>Calotes versicolor</i>		✓								
Grass Lizard	<i>Takydromus sexlineatus</i>			✓							
Chinese Skink	<i>Plestiodon chinensis</i>			✓							
Long-tailed Skink	<i>Eutropis longicaudata</i>							✓	✓		
Reeve's Smooth Skink	<i>Scincella reevesii</i>			✓							
Taiwan Kukri Snake	<i>Oligodon formosanus</i>				✓						
Buff-striped Keelback	<i>Amphiesma stolatum</i>	LC							✓		

* non-native species

Appendix 4. Incidental butterfly records from the nine survey sites in the proposed Northern Metropolis.

Common Name	Scientific Name	Sandy Ridge Wetland Mosaic	Chow Tin - Lei Uk	Tai Po Tin - Shan Kai Wat	Lok Ma Chau Village	Heung Yuen Wai - Tsung Yuen Ha	Shek Wu Wai	Ping Yeung Old Village - Shui Lau Hang	Sing Ping	Chuk Yuen
Pale Awlet	<i>Burara gomata</i>		✓							
Bush Hopper	<i>Ampittia dioscorides</i>					✓				
Forest Hopper	<i>Astictopterus jama</i>				✓					
Formosan Swift	<i>Borbo cinnara</i>	✓		✓						
Colon Swift	<i>Caltoris bromus</i>						✓			
Common Straight Swift	<i>Parnara guttata</i>					✓				
Little Branded Swift	<i>Pelopidas agna</i>		✓							
Contiguous Swift	<i>Polytremis lubricans</i>	✓		✓						
Chinese Dart	<i>Potanthus confucius</i>			✓						
Indian Palm Bob	<i>Suastus gremius</i>		✓			✓				
Greenish Palm Dart	<i>Telicota ancilla</i>		✓							
Pale Palm Dart	<i>Telicota colon</i>	✓								
Grass Demon	<i>Udaspes folus</i>			✓		✓				
Chestnut Angle	<i>Odontoptilum angulatum</i>		✓							
Common Hedge Blue	<i>Acytolepis puspa</i>			✓				✓		
Forget-me-not	<i>Catochrysops strabo</i>		✓	✓					✓	
Plains Cupid	<i>Chilades pandava</i>	✓	✓							
Tailed Cupid	<i>Everes lacturnus</i>					✓				
Metallic Cerulean	<i>Jamides alecto</i>	✓	✓	✓	✓	✓	✓	✓		
Long-tailed Blue	<i>Lampides boeticus</i>	✓	✓	✓				✓	✓	✓
Tailless Line Blue	<i>Prosotas dubiosa</i>					✓				
Pale Grass Blue	<i>Zizeeria maha</i>	✓	✓	✓		✓	✓	✓	✓	✓
Dark Grass Blue	<i>Zizeeria karsandra</i>		✓	✓					✓	✓
Lesser Grass Blue	<i>Zizina otis</i>	✓								
Tiny Grass Blue	<i>Zizula hylax</i>	✓				✓				

Common Name	Scientific Name	Sandy Ridge Wetland Mosaic	Chow Tin - Lei Uk	Tai Po Tin - Shan Kai Wat	Lok Ma Chau Village	Heung Yuen Wai - Tsung Yuen Ha	Shek Wu Wai	Ping Yeung Old Village - Shui Lau Hang	Sing Ping	Chuk Yuen
Plum Judy	<i>Abisara echerius</i>		✓	✓		✓				
Punchinello	<i>Zemeros flegyas</i>		✓					✓		
Silver Streak Blue	<i>Iraota timoleon</i>						✓			
Long-banded Silverline	<i>Spindasis lohita</i>		✓							
Large Faun	<i>Faunis eumeus</i>		✓							
Tawny Rajah	<i>Charaxes bernardus</i>		✓							
Plain Tiger	<i>Danaus chrysippus</i>	✓		✓			✓	✓	✓	
Common Tiger	<i>Danaus genutia</i>	✓	✓	✓			✓			
Common Indian Crow	<i>Euploea core</i>	✓	✓	✓				✓		
Blue-spotted Crow	<i>Euploea midamus</i>	✓	✓	✓	✓	✓	✓	✓		
Ceylon Blue Glassy Tiger	<i>Ideopsis similis</i>		✓	✓				✓		
Indian Fritillary	<i>Argyreus hyperbius</i>								✓	
Angled Castor	<i>Ariadne ariadne</i>	✓	✓	✓		✓	✓	✓		✓
Staff Sergeant	<i>Athyma selenophora</i>					✓				
Common Mapwing	<i>Cyrestis thyodamas</i>		✓					✓		
White-edged Blue Baron	<i>Euthalia phemius</i>		✓		✓					
Red Ring Skirt	<i>Hestina assimilis</i>		✓	✓	✓	✓	✓			
Great Eggfly	<i>Hypolimnias bolina</i>	✓	✓	✓	✓		✓	✓	✓	✓
Danaid Eggfly	<i>Hypolimnias misippus</i>	✓	✓	✓			✓	✓	✓	✓
Grey Pansy	<i>Junonia atlites</i>		✓							
Chocolate Pansy	<i>Junonia iphita</i>							✓	✓	
Lemon Pansy	<i>Junonia lemonias</i>		✓			✓				
Blue Admiral	<i>Kaniska canace</i>		✓	✓						
Common Archduke	<i>Lexias pardalis</i>		✓							
Southern Sullied Sailer	<i>Neptis clinia</i>		✓							✓
Common Sailer	<i>Neptis hylas</i>	✓	✓	✓		✓		✓		✓
Five-dot Sergeant	<i>Limnitis sulphitia</i>		✓		✓					

Common Name	Scientific Name	Sandy Ridge Wetland Mosaic	Chow Tin - Lei Uk	Tai Po Tin - Shan Kai Wat	Lok Ma Chau Village	Heung Yuen Wai - Tsung Yuen Ha	Shek Wu Wai	Ping Yeung Old Village - Shui Lau Hang	Sing Ping	Chuk Yuen
Short-banded Sailer	<i>Phaedyma columella</i>		✓							
Painted Lady	<i>Vanessa cardui</i>							✓		
Common Palmfly	<i>Elymnias hypermnestra</i>	✓				✓				
Banded Tree Brown	<i>Lethe confusa</i>					✓				
Common Evening Brown	<i>Melanitis leda</i>		✓			✓				
Dark Evening Brown	<i>Melanitis phedima</i>		✓							
Dark-brand Bush Brown	<i>Mycalesis mineus</i>	✓	✓	✓	✓	✓	✓	✓	✓	✓
South China Bush Brown	<i>Mycalesis mucianus</i>	✓	✓							
Common Five-ring	<i>Ypthima baldus</i>	✓	✓	✓		✓	✓	✓		
Straight Five-ring	<i>Ypthima lisandra</i>		✓							
Common Mime	<i>Papilio clytia</i>	✓	✓		✓	✓	✓			
Tailed Jay	<i>Graphium agamemnon</i>	✓	✓	✓	✓		✓			
Common Jay	<i>Graphium doson</i>		✓	✓			✓		✓	
Common Bluebottle	<i>Graphium sarpedon</i>	✓	✓	✓	✓	✓				
Chinese Peacock	<i>Papilio bianor</i>		✓	✓						
Lime Butterfly	<i>Papilio demoleus</i>		✓							
Red Helen	<i>Papilio helenus</i>	✓	✓				✓			
Great Mormon	<i>Papilio memnon</i>		✓	✓	✓	✓				
Paris Peacock	<i>Papilio paris</i>		✓					✓		✓
Common Mormon	<i>Papilio polytes</i>	✓	✓	✓	✓	✓	✓	✓	✓	✓
Spangle	<i>Papilio protenor</i>		✓						✓	
Swallowtail	<i>Papilio xuthus</i>	✓				✓		✓		
Lemon Emigrant	<i>Catopsilia pomona</i>	✓	✓				✓			
Mottled Emigrant	<i>Catopsilia pyranthe</i>		✓							
Three-spot Grass Yellow	<i>Eurema blanda</i>	✓	✓					✓		
Common Grass Yellow	<i>Eurema hecabe</i>	✓	✓			✓	✓	✓		✓
Red-base Jezebel	<i>Delias pasithoe</i>	✓	✓	✓	✓					

Common Name	Scientific Name	Sandy Ridge Wetland Mosaic	Chow Tin - Lei Uk	Tai Po Tin - Shan Kai Wat	Lok Ma Chau Village	Heung Yuen Wai - Tsung Yuen Ha	Shek Wu Wai	Ping Yeung Old Village - Shui Lau Hang	Sing Ping	Chuk Yuen
Great Orange Tip	<i>Hebomoia glaucippe</i>		✓	✓			✓			
Indian Cabbage White	<i>Pieris canidia</i>	✓	✓	✓	✓			✓	✓	✓
Small Cabbage White	<i>Pieris rapae</i>	✓	✓	✓	✓		✓	✓		✓

Appendix 5. Incidental dragonfly records from the nine survey sites in the proposed Northern Metropolis.

Common Name	Scientific Name	Sandy Ridge Wetland Mosaic	Chow Tin - Lei Uk	Tai Po Tin - Shan Kai Wat	Lok Ma Chau Village	Heung Yuen Wai - Tsung Yuen Ha	Shek Wu Wai	Ping Yeung Old Village - Shui Lau Hang	Sing Ping	Chuk Yuen
Common Blue Jewel	<i>Heliocypha perforata perforata</i>					✓				
Orange-tailed Midget	<i>Agriocnemis femina oryzae</i>				✓					
Orange-tailed Sprite	<i>Ceriagrion auranticum ryukyuanum</i>			✓	✓	✓	✓			
Common Bluetail	<i>Ischnura senegalensis</i>		✓	✓	✓	✓	✓			
Orange-faced Sprite	<i>Pseudagrion rubriceps rubriceps</i>	✓		✓	✓	✓	✓			
Yellow Featherlegs	<i>Copera marginipes</i>	✓	✓	✓	✓	✓	✓	✓	✓	
Black Threadtail	<i>Prodasineura autumnalis</i>	✓		✓		✓		✓		
Black-kneed Featherlegs	<i>Pseudocopera ciliata</i>			✓						
Pale-spotted Emperor	<i>Anax guttatus</i>	✓	✓	✓	✓	✓				
Lesser Emperor	<i>Anax parthenope julius</i>			✓						
Common Flangetail	<i>Ictinogomphus pertinax</i>		✓	✓		✓	✓		✓	
Golden Flangetail	<i>Sinictinogomphus clavatus</i>						✓			
Regal Pond Cruiser	<i>Ephthalma elegans</i>						✓			
Asian Pintail	<i>Acisoma panorpoides</i>	✓	✓							
Blue Dasher	<i>Brachydiplax flavovittata</i>	✓	✓		✓	✓	✓			
Asian Amberwing	<i>Brachythemis contaminata</i>	✓	✓	✓	✓	✓	✓		✓	
Crimson Darter	<i>Crocothemis servilia servilia</i>	✓	✓	✓	✓	✓	✓		✓	
Blue Percher	<i>Diplacodes trivialis</i>				✓					
Forest Chaser	<i>Lyriothemis elegantissima</i>		✓	✓		✓		✓		
Russet Percher	<i>Neurothemis fulvia</i>	✓	✓	✓		✓	✓	✓		
Pied Percher	<i>Neurothemis tullia tullia</i>		✓	✓	✓	✓	✓			
Red-faced Skimmer	<i>Orthetrum chrysis</i>			✓		✓	✓	✓		
Common Blue Skimmer	<i>Orthetrum glaucum</i>			✓	✓		✓	✓		
Marsh Skimmer	<i>Orthetrum luzonicum</i>					✓	✓	✓		
Common Red Skimmer	<i>Orthetrum pruinosum neglectum</i>	✓	✓	✓	✓	✓	✓	✓	✓	✓

Common Name	Scientific Name	Sandy Ridge Wetland Mosaic	Chow Tin - Lei Uk	Tai Po Tin - Shan Kai Wat	Lok Ma Chau Village	Heung Yuen Wai - Tsung Yuen Ha	Shek Wu Wai	Ping Yeung Old Village - Shui Lau Hang	Sing Ping	Chuk Yuen
Green Skimmer	<i>Orthetrum sabina sabina</i>	✓	✓	✓	✓	✓	✓	✓		✓
Wandering Glider	<i>Pantala flavescens</i>	✓	✓	✓	✓	✓	✓	✓	✓	✓
Blue Chaser	<i>Potamarcha congener</i>	✓	✓	✓		✓	✓	✓		
Pied Skimmer	<i>Pseudothemis zonata</i>	✓	✓	✓	✓	✓	✓		✓	
Ruby Darter	<i>Rhodothemis rufa</i>		✓						✓	
Variegated Flutterer	<i>Rhyothemis variegata arria</i>	✓	✓	✓	✓	✓	✓	✓	✓	✓
Evening Skimmer	<i>Tholymis tillarga</i>	✓	✓	✓	✓	✓	✓			
Saddlebag Glider	<i>Tramea virginia</i>	✓	✓	✓	✓	✓	✓	✓	✓	
Crimson Dropwing	<i>Trithemis aurora</i>	✓	✓	✓	✓	✓			✓	✓
Indigo Dropwing	<i>Trithemis festiva</i>		✓	✓		✓	✓	✓		
Scarlet Basker	<i>Urothemis signata signata</i>	✓			✓	✓	✓			
Dingy Dusk-darter	<i>Zyxomma petiolatum</i>		✓	✓	✓	✓	✓	✓		✓