

Appendix 9.5b Fauna recorded in the Frontier Closed Area

Mammals

Common Name	Scientific Name	Status	Listing	Level of Concern	AAL	DA	DC	PL	WL
Unidentified bat species	-	-	Cap. 170		1		1	1	
Red Muntjac	<i>Muntiacus muntjak</i>	Very Common	Cap. 170	PRC	1				
Eurasian Wild Pig	<i>Sus scrofa</i>	Very Common							Trace
Small Indian Civet	<i>Vierricula indica</i>	Very Common	Cap. 170			Scat			

Note:

- All bats found in Hong Kong are protected under the Wild Animals Protection Ordinance (Cap.170)
- Status: Shek et al. 2007.
- Level of Concern – LC = Local Concern, RC = Regional Concern, PRC = Potential Regional Concern, PGC = Potential Global Concern, GC = Global 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. (Fellowes et al. 2002)
- Habitat: AAL = Abandoned Agricultural Land; DA = Developed Area; DC = Drainage Channel; PL = Plantation; WL = Woodland

Avifauna

Common Name	Scientific Name	Commonness	Level of Concern	CRDB	AAL	AL	DA	DC	FW	HGL	OF	PL	SL	R	WL
Grey Heron	<i>Ardea cinerea</i>	Common winter visitor	PRC		1										
Little Egret	<i>Egretta garzetta</i>	Common winter visitor and resident	PRC(RC)				1	2							
Cattle Egret	<i>Bubulcus ibis</i>	Common winter visitor and resident	(LC)		1										
Chinese Pond Heron	<i>Ardeola bacchus</i>	Common winter visitor and resident	PRC(RC)		4	7		4	3			1		3	
Black-crowned Night Heron	<i>Nycticorax nycticorax</i>	Common winter visitor and resident	(LC)		1										
Black Baza	<i>Aviceda leuphotes</i>	Uncommon migrant and summer visitor													3

Common Name	Scientific Name	Commonness	Level of Concern	CRDB	AAL	AL	DA	DC	FW	HGL	OF	PL	SL	R	WL
Black Kite	<i>Milvus migrans</i>	Common winter visitor and resident	(RC)		1										1
Crested Serpent Eagle	<i>Spilornis cheela</i>	Uncommon resident	(LC)	V						3					1
Besra	<i>Accipiter virgatus</i>	Uncommon resident			1										1
Peregrine Falcon	<i>Falco peregrinus</i>	Uncommon visitor	(LC)		1										
Chinese Francolin	<i>Francolinus pintadeanus</i>	Common resident								1					
White-breasted Waterhen	<i>Amaurornis phoenicurus</i>	Common resident			2	1			1					8	
Green Sandpiper	<i>Tringa ochropus</i>	Common winter visitor				1		7					2		
Oriental Turtle Dove	<i>Streptopelia orientalis</i>	Common winter visitor			4			1							
Spotted Dove	<i>Streptopelia chinensis</i>	Common resident			24	21	13	2		1		4	2		9
Chestnut-winged Cuckoo	<i>Clamator coromandus</i>	Uncommon summer visitor													1
Large Hawk Cuckoo	<i>Hierococcyx sparveroides</i>	Common summer visitor			2			1							11
Indian Cuckoo	<i>Cuculus micropterus</i>	Uncommon summer visitor			5										1
Plaintive Cuckoo	<i>Cacomantis merulinus</i>	Uncommon summer visitor			2										
Common Koel	<i>Eudynamis scolopacea</i>	Common resident			7	1		1					3		6
Greater Coucal	<i>Centropus sinensis</i>	Common resident		V	7	2		2					2		4
Lesser Coucal	<i>Centropus bengalensis</i>	Common resident		V	8	3							1		
Asian Barred Owlet	<i>Glaucidium cuculoides</i>	Uncommon resident													1

Common Name	Scientific Name	Commonness	Level of Concern	CRDB	AAL	AL	DA	DC	FW	HGL	OF	PL	SL	R	WL
Savanna Nightjar	<i>Caprimulgus affinis</i>	Uncommon resident			2										
Little Swift	<i>Apus affinis</i>	Common migrant and summer visitor			6	4									
Common Kingfisher	<i>Alcedo atthis</i>	Common resident						1							
White-throated Kingfisher	<i>Halcyon smyrnensis</i>	Uncommon winter visitor and resident	(LC)			2			1						
Barn Swallow	<i>Hirundo rustica</i>	Common migrant and summer visitor			20	15	19		1	5	5	6	8		
Grey Wagtail	<i>Motacilla cinerea</i>	Common winter visitor						8							
White Wagtail	<i>Motacilla alba</i>	Common winter visitor			10	11	2	18						1	1
Olive-backed Pipit	<i>Anthus hodgsoni</i>	Common winter visitor			1	3									2
Red-whiskered Bulbul	<i>Pycnonotus jocosus</i>	Common resident			44	6	13						11		50
Chinese Bulbul	<i>Pycnonotus sinensis</i>	Common resident			28	13	3					2	35		38
Sooty-headed Bulbul	<i>Pycnonotus aurigaster</i>	Common resident			8	4									
Brown Shrike	<i>Lanius cristatus</i>	Uncommon winter visitor			4										
Long-tailed Shrike	<i>Lanius schach</i>	Common resident			6	6							2		1
Siberian Rubythroat	<i>Luscinia calliope</i>	Common winter visitor			1										
Red-flanked Bluetail	<i>Tarsiger cyanurus</i>	Common winter visitor												1	
Oriental Magpie Robin	<i>Copsychus saularis</i>	Common resident			1		4	1							3

Common Name	Scientific Name	Commonness	Level of Concern	CRDB	AAL	AL	DA	DC	FW	HGL	OF	PL	SL	R	WL
Daurian Redstart	<i>Phoenicurus aureus</i>	Common winter visitor			1			1							
Common Stonechat	<i>Saxicola torquata</i>	Common winter visitor			1								2		
Common Blackbird	<i>Turdus merula</i>	Common winter visitor			1										2
Grey-backed Thrush	<i>Turdus hortulorum</i>	Common winter visitor			4										1
Masked Laughingthrush	<i>Garrulax perspicillatus</i>	Common resident			7		2	3				1	8		10
Hwamei	<i>Garrulax canorus</i>	Common resident													1
Japanese Bush Warbler	<i>Cettia diphone</i>	Common winter visitor											1		
Brownish-flanked Bush Warbler	<i>Cettia fortipes</i>	Common winter visitor													1
Yellow-bellied Prinia	<i>Prinia flaviventris</i>	Common resident			11	1		2					3		4
Plain Prinia	<i>Prinia inornata</i>	Common resident			3			1		1			1		
Mountain Tailorbird	<i>Orthotomus cuculatus</i>	Uncommon resident													2
Common Tailorbird	<i>Orthotomus sutorius</i>	Common resident			1			1					3		15
Dusky Warbler	<i>Phylloscopus fuscatus</i>	Common winter visitor			1	2		2							
Pallas's Leaf Warbler	<i>Phylloscopus proregulus</i>	Common winter visitor													3
Yellow-browed Warbler	<i>Phylloscopus inornatus</i>	Common winter visitor													3
Grey-streaked Flycatcher	<i>Muscicapa griseisticta</i>	Uncommon migrant			1										2
Asian Brown Flycatcher	<i>Muscicapa dauurica</i>	Common winter visitor			1										

Common Name	Scientific Name	Commonness	Level of Concern	CRDB	AAL	AL	DA	DC	FW	HGL	OF	PL	SL	R	WL
Red-throated Flycatcher	<i>Ficedula albicilla</i>	Common winter visitor			1										
Great Tit	<i>Parus major</i>	Common resident			3								4		10
Scarlet-backed Flowerpecker	<i>Dicaeum cruentatum</i>	Common resident					2						1		7
Fork-tailed Sunbird	<i>Aethopyga christinae</i>	Common resident													2
Japanese White-eye	<i>Zosterops japonicus</i>	Common resident			21		1						5		57
Little Bunting	<i>Emberiza pusilla</i>	Common winter visitor			1										
Chestnut Bunting	<i>Emberiza rutila</i>	Uncommon migrant			2										
Black-faced Bunting	<i>Emberiza spodocephala</i>	Common winter visitor							4						
Yellow-billed Grosbeak	<i>Eophona migratoria</i>	Uncommon winter visitor	LC		1							5			
White-rumped Munia	<i>Lonchura striata</i>	Common resident			19	2		1					1		1
Scaly-breasted Munia	<i>Lonchura punctulata</i>	Common resident			65	4		3							1
Eurasian Tree Sparrow	<i>Passer montanus</i>	Common resident			109	4	64	1					12		
White-cheeked Starling	<i>Sturnus cineraceus</i>	Uncommon winter visitor	PRC		100										
Black-collared Starling	<i>Sturnus nigricollis</i>	Common resident			16	10	5	3					15		
White-shouldered Starling	<i>Sturnus sinensis</i>	Uncommon winter and resident	(LC)		2			1					15		
Crested Myna	<i>Acridotheres cristatellus</i>	Common resident			337	19	7	5	3				2		8
Black Drongo	<i>Dicrurus macrocercus</i>	Common resident			4	1							1		2

Common Name	Scientific Name	Commonness	Level of Concern	CRDB	AAL	AL	DA	DC	FW	HGL	OF	PL	SL	R	WL
Hair-crested Drongo	<i>Dicrurus hottentottus</i>	Uncommon resident			4	3									12
Common Magpie	<i>Pica pica</i>	Common resident					3								
Large-billed Crow	<i>Corvus macrorhynchos</i>	Common resident											2		14
Total no. of species recorded:					54	25	14	25	5	5	1	6	25	4	38
Total no. of individuals recorded:					919	146	139	76	9	11	5	19	142	13	292

Note:

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- CRDB – China Red Data Book: E = Endangered, V = Vulnerable, R = Rare, I = Indeterminate (Zheng & Wang 1998)
- Habitat: AAL = Abandoned Agricultural Land; AL = Agricultural Land; DA = Developed Area; DC = Drainage Channel; FW = Freshwater Wetland; HGL = Hillside Grassland; OF = Open Field; PL = Plantation; SL = Shrubland; R = Watercourse; WL = Woodland

Herpetofauna

Common Name	Scientific Name	Commonness	Level of Concern	Listing	AAL	AL	DA	DC	FW	SL	R	WL
Asian Common Toad	<i>Bufo melanostictus</i>	Abundant and widespread				53	3					1
Changeable Lizard	<i>Calotes versicolor</i>	Common								1		
Paddy Frog	<i>Fejervarya limnocharis</i>	Very common and widespread throughout the New Territories			4		1	1				
Chinese Bullfrog	<i>Hoplobatrachus chinensis</i>	Fairly common and widespread throughout the New Territories	PRC						1			
Asiatic Painted Frog	<i>Kaloula pulchra pulchra</i>	Widespread and very common in the New Territories				2	8					
Ornate Pigmy Frog	<i>Microhyla ornata</i>	Common and evenly distributed in the New Territories			3							
Brown Tree Frog	<i>Polypedates megacephalus</i>	Widespread and very common			3			1				2
Gunther's Frog	<i>Rana guentheri</i>	Very common and widespread			16	3	1	17			1	
Indian Forest Skink	<i>Sphenomorphus indicus</i>	Common and occurs in woodlands in the eastern and central New Territories	LC		1							
Bamboo Snake	<i>Trimeresurus albolabris</i>	Widely distributed										1
Checkered Keelback	<i>Xenochrophis piscator</i>	Occurs throughout the New Territories					1	1				
Total no. of species recorded:					5	4	5	3	1	1	1	3
Total no. of individuals recorded:					27	59	14	19	1	1	1	4

Note:

- Commonness: Chan et al. (2005, 2006, 2009), Karsen et al. (1998).
- Level of Concern – LC = Local Concern, RC = Regional Concern, PRC = Potential Regional Concern, PGC = Potential Global Concern, GC = Global 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. (Fellows et al. 2002)
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Butterfly

Common Name	Scientific Name	Commonness	Level of Concern	AAL	AL	DA	DC	FW	HGL	SL	R	WL
Common Mime	<i>Chilasa clytia clytia</i>	C			1							
Tailed Jay	<i>Graphium agamemnon agamemnon</i>	VC		1			1					
Common Jay	<i>Graphium doson axion</i>	UC										1
Common Bluebottle	<i>Graphium sarpedon sarpedon</i>	VC		8	1		1			1		4
Lime Butterfly	<i>Papilio demoleus demoleus</i>	C		2								
Red Helen	<i>Papilio helenus helenus</i>	VC										2
Great Mormon	<i>Papilio memnon agenor</i>	VC		1		1	1		1			15
Paris Peacock	<i>Papilio paris paris</i>	VC		2			2				1	4
Common Mormon	<i>Papilio polytes polytes</i>	VC		18	5		1		1	2	9	16
Spangle	<i>Papilio protenor protenor</i>	VC										9
Lemon Emigrant	<i>Catopsilia pomona pomona</i>	C		2	1							1
Red-base Jezebel	<i>Delias pasithoe pasithoe</i>	VC		1		1	4					
Common Grass Yellow	<i>Eurema hecabe hecabe</i>	VC		35			1	1	2	2		20
Great Orange Tip	<i>Hebomoia glaucippe glaucippe</i>	C			1							
Yellow Orange Tip	<i>Ixias pyrene pyrene</i>	UC										1
Indian Cabbage White	<i>Pieris canidia canidia</i>	VC		23	11	4	13				22	6
Common Tiger	<i>Danaus genutia genutia</i>	VC		1								
Blue-spotted Crow	<i>Euploea midamus midamus</i>	VC		1	1						1	2
Ceylon Blue Glassy Tiger	<i>Ideopsis similis similis</i>	VC					1					14
Glassy Tiger	<i>Parantica aglea melanoides</i>	VC		1							1	3
Common Duffer	<i>Discophora sondaica tulliana</i>	C									1	1
Large Faun	<i>Faunis eumeus eumeus</i>	C										4
Banded Tree Brown	<i>Lethe confusa confusa</i>	VC									1	
Common Tree Brown	<i>Lethe rohrhria permagnis</i>	UC					1					
Common Evening Brown	<i>Melanitis leda leda</i>	VC										3
Dark Evening Brown	<i>Melanitis phedima muskata</i>	C				1						1
Dark-brand Bush Brown	<i>Mycalesis mineus mineus</i>	VC		5	1	2						19
Common Five-ring	<i>Ypthima baldus baldus</i>	VC		3							2	4

Common Name	Scientific Name	Commonness	Level of Concern	AAL	AL	DA	DC	FW	HGL	SL	R	WL
Angled Castor	<i>Ariadne ariadne alterna</i>	C		2								
Common Sergeant	<i>Athyma perius perius</i>	C		1							1	1
Tawny Rajah	<i>Charaxes bernardus bernardus</i>	C			1	1				1		2
Rustic	<i>Cupha erymanthis erymanthis</i>	VC										2
Common Mapwing	<i>Cyrestis thyodamas chinensis</i>	C										1
White-edged Blue Baron	<i>Euthalia phemius seitzi</i>	C										1
Red Ring Skirt	<i>Hestina assimilis assimilis</i>	C		2			1					1
Great Egg-fly	<i>Hypolimnas bolina kezia</i>	VC		5						4		8
Peacock Pansy	<i>Junonia almana almana</i>	C		1	1	1						
Grey Pansy	<i>Junonia atlites atlites</i>	C		4	1						1	2
Common Sailer	<i>Neptis hylas hylas</i>	VC		5					1			
Five-dot Sergeant	<i>Parathyma sulphitia sulphitia</i>	C										2
Black Prince	<i>Rohana parisatis staurakius</i>	C		3	4		2				2	5
Punchinello	<i>Zemeros flegyas flegyas</i>	C										1
Common Hedge Blue	<i>Acytolepis puspa gisca</i>	C										1
Lime Blue	<i>Chilades lajus leucofasciatus</i>	VC								5		1
Small Grass Blue	<i>Famegana alsulus eggletoni</i>	C								1		
Purple Sapphire	<i>Heliophorus epicles phoenicoparyphus</i>	C		1			1					1
Long-tailed Blue, Pea Blue	<i>Lampides boeticus</i>	C		1	1		1					
Pale Grass Blue	<i>Zizeeria maha serica</i>	VC		18					1	2		2
Bush Hopper	<i>Ampittia dioscorides etura</i>	UC						1				
Forest Hopper	<i>Astictopterus jama chinensis</i>	C		1								3
Chestnut Bob	<i>Iambrix salsala salsala</i>	UC										1
Chestnut Angle	<i>Odontoptilum angulatum angulatum</i>	C										1
Common Straight Swift	<i>Parnara guttata</i>	C		2								
Little Branded Swift	<i>Pelopidas agna agna</i>	C									1	
Yellow Band Dart	<i>Potanthus pava pava</i>	UC		1								
Total no. of species recorded:				29	13	7	14	2	5	16	5	37
Total no. of individuals recorded:				151	30	11	31	2	6	49	14	164

- Note:
- Commonness: Yiu & Young (2002). C = Common; R = Rare; UC = Uncommon; VC = Very Common; VR = Very Rare
 - Level of Concern – LC = Local Concern, RC = Regional Concern, PRC = Potential Regional Concern, PGC = Potential Global Concern, GC = Global 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. (Fellowes et al. 2002)
 - Habitat: AAL = Abandoned Agricultural Land; AL = Agricultural Land; DA = Developed Area; DC = Drainage Channel; FW = Freshwater Wetland; HGL = Hillside Grassland; SL = Shrubland; R = Watercourse; WL = Woodland

Dragonfly

Common Name	Scientific Name	Commonness	Level of Concern	AAL	AL	DA	DC	FW	HGL	SL	R	WL
Orange-tailed Sprite	<i>Ceriagrion auranticum ryukyuanum</i>	A			1		1					2
Common Bluetail	<i>Ischnura senegalensis</i>	A		4							3	
Orange-faced Sprite	<i>Pseudagrion rubriceps rubriceps</i>	C		1			15				2	1
Black-kneed Featherlegs	<i>Copera ciliata</i>	A										2
Yellow Featherlegs	<i>Copera marginipes</i>	A		1			9				2	8
Black Threadtail	<i>Prodasineura autumnalis</i>	A					6					
Pale-spotted Emperor	<i>Anax guttatus</i>	A		1								
Common Flangetail	<i>Ictinogomphus pertinax</i>	A			1		4				6	
Elusive Adjutant	<i>Aethriamanta brevipennis brevipennis</i>	R										3
Asian Amberwing	<i>Brachythemis contaminata</i>	A			2		4					2
Crimson Darter	<i>Crocothemis servilia servilia</i>	A		4	1		3					
Blue Percher	<i>Diplacodes trivialis</i>	A			1							
Forest Chaser	<i>Lyriothemis elegantissima</i>	C		7								4
Russet Percher	<i>Neurothemis fulvia</i>	A		1			1					
Pied Percher	<i>Neurothemis tullia tullia</i>	C		1	1						1	
Red-faced Skimmer	<i>Orthetrum chrysis</i>	C								1		
Common Blue Skimmer	<i>Orthetrum glaucum</i>	A		1		1						
Marsh Skimmer	<i>Orthetrum luzonicum</i>	A		1	2							

Common Name	Scientific Name	Commonness	Level of Concern	AAL	AL	DA	DC	FW	HGL	SL	R	WL
Common Red Skimmer	<i>Orthetrum pruinosum neglectum</i>	A		16	9	1	10	2		2	4	11
Green Skimmer	<i>Orthetrum sabina sabina</i>	C		6	5					1		
Lesser Blue Skimmer	<i>Orthetrum triangulare triangulare</i>	C		1								
Wandering Glider	<i>Pantala flavescens</i>	A		135	131	24		20	20	1		60
Pied Skimmer	<i>Pseudothemis zonata</i>	C					1					
Variegated Flutterer	<i>Rhyothemis variegata arria</i>	C		2		2						
Saddlebag Glider	<i>Tramea virginia</i>	C		1			1					
Crimson Dropwing	<i>Trithemis aurora</i>	A		7	1		9				7	2
Indigo Dropwing	<i>Trithemis festiva</i>	A		1			4					
Emerald Cascader	<i>Zygonyx iris insignis</i>	A	PGC				1					
Dingy Dusk-darter	<i>Zyxomma petiolatum</i>	C		1								
Total no. of species recorded:				19	11	4	14	2	1	4	7	10
Total no. of individuals recorded:				192	155	28	69	22	20	5	25	95

Note:

- Commonness: Tam et al. (2008), Wilson et al. (2004). A = Abundant; C = Common; R = Rare; U = Uncommon
- Level of Concern – LC = Local Concern, RC = Regional Concern, PRC = Potential Regional Concern, PGC = Potential Global Concern, GC = Global 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. (Fellowes et al. 2002)
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Freshwater Fish

Common Name	Scientific Name	Commonness	Level of Concern	Listing	Kong Yiu Channel
Spotted Snakehead	<i>Channa maculata</i>	Uncommon in wild, cultivated			+
Whitespotted Walking Catfish	<i>Clarias fuscus</i>	Common			++
Mosquito Fish	<i>Gambusia affinis</i>	Common			+
Nile Tilapia	<i>Oreochromis niloticus</i>	Common			+++
Chinese Barb	<i>Puntius semifasciolatus</i>	Common			++
Total no. of species recorded:					5

- Commonness: Lee et al. (2004).
- Level of Concern – LC = Local Concern, RC = Regional Concern, PRC = Potential Regional Concern, PGC = Potential Global Concern, GC = Global 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. (Fellowes et al. 2002)
- Relative Abundance:
 - + = 1-5 individuals
 - ++ = 6-10 individuals
 - +++ = 11-20 individuals
 - ++++ = 21-50 individuals
 - +++++ = >50 individuals