

Appendix 8.5a – Herpetofauna Species Recorded

Maximum count of amphibian species recorded in PDAs and Assessment Area from January to September 2013

Common Name	Scientific Name	Conservation and Protection Status ¹	PDAs										Assessment Area (excluding PDAs)												
			Channelised Watercourse	Developed Area	Dry Agricultural Land	Inactive Agricultural Land	Mixed Dry & Wet Agricultural Land	Orchard	Seasonally Wet Grassland	Secondary Woodland	Village Area	Wasteland	Channelised Watercourse	Dry Agricultural Land	Grassland	Grassland/Shrubland	Inactive Agricultural Land	Mixed Dry & Wet Agricultural Land	Natural Watercourse	Orchard	Pond	Seasonally Wet Grassland	Secondary Woodland	Village Area	Wasteland
Asian Common Toad	<i>Bufo melanostictus</i>	-	1	4	3 [^]	1	50		1 [^]					^	3	3		2			1	4	1	1	
Spotted Narrow-mouthed Frog	<i>Kalophrynus interlineatus</i>	-		1			5							30	7	17	1			1		35		10	33
Asiatic Painted Frog	<i>Kaloula pulchra</i>	-		1			22	1									5		1		2		1	2	
Butler's Pigmy Frog	<i>Microhyla butleri</i>	-			10	10	20									30									
Ornate pigmy frog	<i>Microhyla fissipes</i>	-				1	100 [^]							28	10	55		10		30	1	60	5		90
Marbled Pigmy Frog	<i>Microhyla pulchra</i>	-			3	20	20		1		10			10		15			1		7			3	
Paddy Frog	<i>Fejervarya limnocharis</i>	-		1	1		15							5	3	35		10		2		4	1	3	3
Chinese BullFrog	<i>Hoplobatrachus chinensis</i>	PRC II			2																1				
Lesser Spiny Frog	<i>Paa exilispinosa</i>	PGC; VU															2								
Günther's Frog	<i>Rana guentheri</i>	-			5	5	12		5			4	8	1	13	25	2	5	15		14	15	8	12	
Brown Tree Frog	<i>Polypedates megacephalus</i>	-		2	13	5	6		1	1		10		8	8	15 [^]		8			13	7	1	14	
Greenhouse Frog	<i>Eleutherodactylus planirostris</i>	-		1								1									1	1			
Number of species recorded			1	6	6	6	8	1	3	1	1	3	1	6	6	7	2	6	2	5	1	10	6	6	8
			11										12												

Notes:

1 - Status follows Fellowes *et al.* (2002) and IUCN (2017).

a. Fellowes *et al.* (2002): PRC = Potential Regional Concern; PGC = Potential Global Concern.

b. IUCN (2017): VU = Vulnerable.

c. China State Major Protection Status (CSMPS) (CSIS 2017): II = Class II Protected Species in China.

[^]tadpoles were found.

Maximum count of reptile species recorded in the PDAs and Assessment Area from January to September 2013

Common Name	Scientific Name	Conservation Status ¹	PDAs					Assessment Area (excluding PDAs)									
			Inactive Agricultural Land	Wet Agricultural Land	Mixed Dry and Wet Agriculture Land	Orchard	Seasonally Wet Grassland	Channelised Watercourse	Developed Area	Dry Agricultural Land	Grassland	Grassland/Shrubl and	Pond	Seasonally Wet Grassland	Secondary woodland	Village Area	Wasteland
Reeves' Terrapin	<i>Chinemys reevesii</i>	GC; EN		1													
Red-eared Slider	<i>Trachemys scripta</i>							1				1					
Chinese Gecko	<i>Gekko chinensis</i>										1						
Bowring's Gecko	<i>Hemidactylus bowringii</i>				4	1				4	1		1		5		
Changeable Lizard	<i>Calotes versicolor</i>				1				1	1	2				1	1	
Long-tailed Skink	<i>Mabuya longicaudata</i>							1			1	1			2	1	
White-spotted Slug Snake	<i>Pareas margaritophorus</i>													1			
Common Rat Snake	<i>Ptyas mucosus</i>	PRC; 586	1														
Checkered Keelback	<i>Xenochrophis flavipunctatus</i>				2												
Number of species recorded			1	1	3	1	1	1	2	2	1	4	1	1	1	3	2
			6					6									

Notes:

- 1 - Status follows Fellowes *et al.* (2002), IUCN (2017) and Cap. 586.
- Fellowes *et al.* (2002): GC = Global Concern;; PRC = Potential Regional Concern.
 - IUCN (2017): EN = Endangered.
 - Cap. 586 = Protection of Endangered Species of Animals and Plants Ordinance.

Appendix 8.5b – Herpetofauna Species Recorded during Additional Survey

Maximum count of amphibian species recorded in PDAs and Assessment Area during additional survey from January to September 2014

Common Name	Scientific Name	Conservation Status ¹	PDA	Assessment Area (excluding PDAs)												
			Channelised Watercourse	Developed Area	Dry Agricultural Land	Grassland	Grassland/S hrubland	Inactive Agricultural Land	Marsh	Natural Watercourse	Orchard	Pond	Reedbed	Seasonally Wet Grassland	Village Area	Wasteland
Asian Common Toad	<i>Bufo melanostictus</i>	-		1						1	1				1	1
Spotted Narrow-mouthed Frog	<i>Kalophrynus interlineatus</i>	-				1					1					1
Asiatic Painted Frog	<i>Kaloula pulchra</i>	-					1									4
Butler's Pigmy Frog	<i>Microhyla butleri</i>	-									3			5		5
Ornate Pigmy Frog	<i>Microhyla fissipes</i>	-	15		10	1					14					3
Marbled Pigmy Frog	<i>Microhyla pulchra</i>	-	1		1									1		
Paddy Frog	<i>Fejervarya limnocharis</i>	-	2			1						5				1
Günther's Frog	<i>Rana guentheri</i>	-	1		5	2			4			1	2	16	9	1
Brown Tree Frog	<i>Polypedates megacephalus</i>	-			2	3	1	1		^	1	1		3		3
Number of species recorded			4	1	4	5	2	1	1	2	5	3	1	4	2	8
			1	10												

Notes:

1 - Status follows Fellowes *et al.* (2002) and IUCN (2017).

^tadpoles were found.

Maximum count of reptile species recorded in the PDAs and Assessment Area during additional survey from January to September 2014

Common Name	Scientific Name	Conservation Status ¹	PDAs	Assessment Area (excluding PDAs)		
				Natural Watercourse	Village Area	Wasteland
Red-eared Slider	<i>Trachemys scripta</i>	-		2		
Bowring's Gecko	<i>Hemidactylus bowringii</i>	-			1	
Changeable Lizard	<i>Calotes versicolor</i>	-			2	
Long-tailed Skink	<i>Mabuya longicaudata</i>	-				1
Buff-striped Keelback	<i>Amphiesma stolatum</i>	LC				1
Number of species recorded			0	1	1	2
			0	5		

Notes:

1 - Status follows Fellowes *et al.* (2002) and IUCN (2016). Fellowes *et al.* (2002): LC = Local Concern.

Appendix 8.5c – Herpetofauna Species Recorded during Additional Survey

Maximum count of amphibian species recorded in PDAs and Assessment Area during additional survey from September to December 2016

Common Name	Scientific Name	Conservation and Protection Status ¹	PDAs				Assessment Area (excluding PDAs)			
			Wet Agricultural Land	Mixed Dry & Wet Agricultural Land	Dry Agricultural Land	Seasonally Wet Grassland	Dry Agricultural Land	Secondary Woodland	Orchard	Wasteland
Asian Common Toad	<i>Duttaphrynus melanostictus</i>	-	5		1		3	1	1	
Marbled Pigmy Frog	<i>Microhyla pulchra</i>	-	3					5	1	
Paddy Frog	<i>Fejervarya limnocharis</i>	-	1			1		2	1	1
Chinese Bullfrog	<i>Hoplobatrachus rugulosus</i>	PRC II ^a		1						
Greenhouse Frog	<i>Eleutherodactylus planirostris</i>	-						1	1	
Number of species recorded			3	1	1	1	1	4	4	1
			4				4			

Notes:

1 - Status follows Fellowes *et al.* (2002), IUCN (2017) and CSMPS (CSIS 2017). Fellowes *et al.* (2002): PRC = Potential Regional Concern.

a. China State Major Protection Status (CSMPS) (CSIS 2017): II = Class II Protected Species in China.

Maximum count of reptile species recorded in the PDAs and Assessment Area during additional survey from September to December 2016

Common Name	Scientific Name	Conservation and Protection Status ¹	PDAs		Assessment Area (excluding PDAs)		
			Dry Agricultural Land	Channelised Watercourse	Dry Agricultural Land	Secondary Woodland	Village Area
Grass Lizard	<i>Takydromus sexlineatus</i>	-		1			
Long-tailed Skink	<i>Eutropis longicaudata</i>	-	1				
Chinese Skink	<i>Plestiodon chinensis</i>	-			1		
Reeves' Smooth Skink	<i>Scincella reevesii</i>	-				1	
Indo-chinese Rat Snake	<i>Ptyas korros</i>	PRC					1
Common Rat Snake	<i>Ptyas mucosus</i>	PRC 586 ^a					1
Buff-striped Keelback	<i>Amphiesma stolatum</i>	LC	1				
Number of species recorded			2	1	1	1	2
			2	5			

Notes:

1 - Status follows Fellowes *et al.* (2002), IUCN (2017) and Cap.586. Fellowes *et al.* (2002): LC = Local Concern; PRC = Potential Regional Concern.

a. Cap. 586 = Protection of Endangered Species of Animals and Plants Ordinance.