

Bat conservation in China: should protection of subterranean habitats be a priority?

JINHONG LUO, TINGLEI JIANG, GUANJUN LU, LEI WANG, JING WANG and JIANG FENG

TABLE S1 Bat species found roosting in caves and other subterranean habitats in China, with the site (numbers as in Table S3), source and conservation status in China (Wang & Xie, 2004) and globally (IUCN, 2010).

Species	Site ¹	Data source ²	National Red List ³	IUCN Red List ³
<i>Arielulus torquatus</i>		b	EN	LC
<i>Aselliscus stoliczkanus</i>	2, 3, 5, 6, 10	a, b, c	NT	LC
<i>Barbastella beijingensis</i> *†	21			NE
<i>Barbastella leucomelas</i>		b, c	VU	LC
<i>Coelops frithii</i>	2	a, b, c	VU	LC
<i>Eonycteris spelaea</i>		b, c	VU	LC
<i>Eptesicus nilssonii</i>		c	LC	LC
<i>Eptesicus serotinus</i>	2, 19, 23	a, c	LC	LC
<i>Falsistrellus affinis</i>		b	NT	LC
<i>Harpiocephalus harpia</i>		b	VU	LC
<i>Hipposideros armiger</i>	1–10, 12, 16	a, c	LC	LC
<i>Hipposideros cineraceus</i>	2	a		LC
<i>Hipposideros fulvus</i>		c	NA	LC
<i>Hipposideros larvatus</i>	1–5,7	a, b, c	VU	LC
<i>Hipposideros lylei</i>		c	NA	LC
<i>Hipposideros pomona</i>	1–4	a, b, c	NT	LC
<i>Hipposideros pratti</i>	6–8, 12, 13, 17	a, b, c	NT	LC
<i>Hypsugo alashanicus</i>	19, 23, 24	a		NE
<i>Hypsugo pulveratus</i>	3	a, c		LC
<i>Ia io</i>	1–3, 5–7, 16	a, b, c	NT	LC
<i>Kerivoula hardwickii</i>		c		LC
<i>Kerivoula picta</i>		b	VU	LC
<i>Megaderma lyra</i>	2, 6	a, b, c	VU	LC
<i>Megaderma spasma</i> *	2			NE
<i>Miniopterus fuliginosus</i>	1, 2, 4–10, 12, 13, 16, 17	a, c	LC	LC
<i>Miniopterus pusillus</i>	1, 2, 15, 16	a, b, c	VU	LC
<i>Murina bicolor</i>	5	a		NE
<i>Murina cyclotis</i>		b, c	VU	LC
<i>Murina huttoni</i>		b	VU	LC
<i>Murina leucogaster</i>	23, 24	a	LC	DD
<i>Murina puta</i>		b	EN	NT
<i>Murina ussuriensis</i>	23	a, c	NA	LC
<i>Myotis adversus</i>	12, 13, 17, 19	a, c	NT	LC
<i>Myotis altarium</i>	5, 7, 12,15, 16	a, b, c	NT	LC
<i>Myotis aurascens</i>		c		LC
<i>Myotis blythii</i>	16, 18, 21	a, b, c	VU	LC
<i>Myotis bombinus</i>	24	a, c	NA	NT
<i>Myotis brandtii</i>	24	a, c	DD	LC

<i>Myotis chinensis</i>	2, 6–9, 11, 12, 18	a, b, c	VU	LC
<i>Myotis dasycneme</i>		c	DD	NT
<i>Myotis daubentonii</i>		c	LC	LC
<i>Myotis davidii</i> †	2, 4–7, 9–14, 16, 21, 22	a, b	NT	LC
<i>Myotis fimbriatus</i> †	2	a, b, c	NT	LC
<i>Myotis flavus</i>	7	a		NE
<i>Myotis formosus</i>	7, 23	a, b, c	VU	LC
<i>Myotis frater</i>	19, 23, 24	a, b, c	VU	DD
<i>Myotis horsfieldii</i>	1	a, b, c	VU	LC
<i>Myotis ikonnikovi</i>	23, 24	a, c	LC	LC
<i>Myotis laniger</i>	2	a, c	LC	LC
<i>Myotis longipes</i>	9	a, b, c	VU	DD
<i>Myotis macrodactylus</i>	23	a, c		LC
<i>Myotis montivagus</i>		b, c	VU	LC
<i>Myotis muricola</i>		c	NT	LC
<i>Myotis mystacinus</i>		c		LC
<i>Myotis nipalensis</i>		c	LC	LC
<i>Myotis pequinius</i> †	16, 18, 19	a, b, c	NT	LC
<i>Myotis petax</i>	23, 24	a		NE
<i>Myotis pilosus</i>	2, 4, 6–9, 12, 13, 17, 19, 21	a	LC	NT
<i>Myotis siligorensis</i>	2, 5, 6	a, c	NT	LC
<i>Nyctalus aviator</i>		b	NT	NT
<i>Nyctalus noctula</i>		c	NA	LC
<i>Nyctalus plancyi</i>		c	LC	LC
<i>Pipistrellus abramus</i>	8	a	LC	LC
<i>Pipistrellus ceylonicus</i>		c	NA	LC
<i>Pipistrellus coromandra</i>		b, c	NT	LC
<i>Pipistrellus javanicus</i>		c	NA	LC
<i>Pipistrellus pulveratus</i>		c		LC
<i>Plecotus auritus</i>	23, 24	a	NT	LC
<i>Plecotus taivanus</i>		b, c	EN	NT
<i>Pteropus dasymallus</i>		b	EN	NT
<i>Rhinolophus affinis</i>	1–3, 7, 9, 12, 17	a, b, c	NT	LC
<i>Rhinolophus ferrumequinum</i>	2, 11–21, 23	a, c	LC	LC
<i>Rhinolophus formosae</i>		b, c	VU	NT
<i>Rhinolophus hipposideros</i>		c		LC
<i>Rhinolophus huananus</i> *†	4			NE
<i>Rhinolophus lepidus</i>	2, 3, 5, 6, 9, 10	a, c		LC
<i>Rhinolophus luctus</i>	1, 11	a, b, c	NT	LC
<i>Rhinolophus macrotis</i>	2–7, 9, 10, 16	a, c	LC	LC
<i>Rhinolophus marshalli</i>	2, 3	a		LC
<i>Rhinolophus osgoodi</i> †	2	a, b, c	EN	DD
<i>Rhinolophus paradoxolophus</i>	3	a, c	NA	LC
<i>Rhinolophus pearsonii</i>	2–7, 9, 12–14, 16	a, c	LC	LC
<i>Rhinolophus pusillus</i>	1–6, 8–14, 17, 19	a, b, c	NT	LC
<i>Rhinolophus rex</i> †	2, 5, 6, 10	a, b, c	EN	LC
<i>Rhinolophus schnitzleri</i> *†	2			NE

<i>Rhinolophus sinicus</i>	1, 2, 4–14, 16	a, c	LC	LC
<i>Rhinolophus subbadius</i>		c	DD	LC
<i>Rhinolophus thomasi</i>	2–4, 7, 8, 13, 14	a, b, c	VU	LC
<i>Rhinolophus xinanzhongguoensis</i> *†	2, 5	a		NE
<i>Rhinolophus yunanensis</i>		b, c	EN	LC
<i>Rousettus amplexicaudatus</i>		c	NA	LC
<i>Rousettus leschenaultii</i>	1	a, c	LC	LC
<i>Scotomanes ornatus</i>		c	LC	LC
<i>Sphaerias blanfordi</i>		b	EN	LC
<i>Tadarida insignis</i>	19	a, b, c	VU	DD
<i>Tadarida latouchei</i>		c		DD
<i>Tadarida plicata</i>		c		LC
<i>Tadarida teniotis</i>	19	a		LC
<i>Taphozous melanopogon</i>	2, 3	a, b, c	VU	LC
<i>Tylonycteris pachypus</i>		b	NT	LC
<i>Tylonycteris robustula</i>		b	VU	LC

*New record for China

†Endemic to China (including Taiwan)

¹Numbers correspond to the provinces and municipalities in Fig. 1

²a, this survey; b, China Species Red List (Wang & Xie, 2004); c, IUCN Red List (IUCN, 2010)

³EN, Endangered; VU, Vulnerable; NT, Near Threatened; LC, Least Concern; DD, Data Deficient; NE, Not evaluated; NA, Not applicable (recorded in areas bordering other countries but insufficient information available for evaluation). Blank cells for the National Red List indicates that the species is not included in Wang & Xie (2004).

TABLE S2 Bat species collected as voucher specimen during the survey (see text for details), with specimen numbers, sex and collection locality.

Specimen no. (by species)	Sex	Sampling locality
<i>Myotis formosus</i>		
JA-03-022	♂	Dalazi cave, 23 (Jilin)
JA-03-022	♂	Dalazi cave, 23 (Jilin)
JA-03-023	♂	Dalazi cave, 23 (Jilin)
JA-03-060	♂	Dalazi cave, 23 (Jilin)
JX-06q-021	♂	Shiyan cave, 7 (Jiangxi)
JX-06q-021	♂	Shiyan cave, 7 (Jiangxi)
JX-06q-022	♂	Shiyan cave, 7 (Jiangxi)
<i>Myotis frater</i>		
TH-07-001	♂	Tonghua cave, 23 (Jilin)
TH-07-002	♂	Tonghua cave, 23 (Jilin)
TH-07-003	♂	Tonghua cave, 23 (Jilin)
TH-07-006	+	Tonghua cave, 23 (Jilin)
TH-07-010	♂	Yantong cave, 23 (Jilin)
<i>Myotis macrodactylus</i>		
JA-07X-006	+	Dalazi cave, 23 (Jilin)
JA-07X-007	♂	Dalazi cave, 23 (Jilin)
JA-07X-008	+	Dalazi cave, 23 (Jilin)
LT-07X-079	♂	Xiaoshui cave, 23 (Jilin)
TH-07X-009	♂	Yantong cave, 23 (Jilin)
<i>Myotis petax</i>		
HLJ-08-001	+	Hefang, 24 (Heilongjiang)
HLJ-08-002	♂	Hefang, 24 (Heilongjiang)
HLJ-08-003	♂	Hefang, 24 (Heilongjiang)
TH-07-001	+	Xiaoshui cave, 23 (Jilin)
TH-07-002	+	Xiaoshui cave, 23 (Jilin)
TH-07-003	♂	Xiaoshui cave, 23 (Jilin)
TH-07-004	♂	Xiaoshui cave, 23 (Jilin)
<i>Myotis pilosus</i>		
GZ-07-020	+	Liangfeng cave, 5 (Guizhou)
HuN-10-021	♂	Tongyan cave, 6 (Hunan)
HuN-10-023	+	Tongyan cave, 6 (Hunan)
HuN-10-024	+	Tongyan cave, 6 (Hunan)
HuN-10-039	+	Tongyan cave, 6 (Hunan)
<i>Myotis flavus</i>		
JX-07X-020	♂	Shiyan cave, 7 (Jiangxi)
<i>Rhinolophus macrotis</i>		
JX-06x-015	+	Shiyan cave, 7 (Jiangxi)
JX-06x-016	+	Shiyan cave, 7 (Jiangxi)
JX-06x-019	+	Shiyan cave, 7 (Jiangxi)
JX-06x-025	+	Shiyan cave, 7 (Jiangxi)
JX-06x-050	♂	Shiyan cave, 7 (Jiangxi)
<i>Rhinolophus macrotis*</i>		
JX-06x-067	♀	Shiyan cave, 7 (Jiangxi)
<i>Rhinolophus pearsoni</i>		
JS-08-003	♂	Linggu cave, 14 (Jiangsu)

JS-08-001	♀	Yunvtan cave, 14 (Jiangsu)
<i>Tadarida teniotis</i>		
SD-08-050	♂	Touming cave, 19 (Shandong)
SD-08-047	♀	Touming cave, 19 (Shandong)

*New species record (Sun et al., 2008) but its taxonomic status is still controversial (see comments in Zhang et al. (2009))

TABLE S3 Details of the 225 roosts surveyed (see Fig. 1 for locations) and the bat species present, and a summary of the reasons for special conservation concern for 121 of the roosts.

Roost name	Site ¹	Date(s) surveyed	Type	Roost size ²	Disturbance	Main activity ³	Roost function	No. of bat species	Species	Reasons for special concern ⁴
Bianfu	1	28 Mar. 2011	Natural cave	Inaccessible	Undisturbed	Inaccessible		1	<i>H. armiger</i>	
Kuanghai	1	13 May 2008, 20 Mar. 2011	Abandoned mine	Large	Undisturbed	Distant		3	<i>H. larvatus</i> , <i>R. affinis</i> , <i>R. pusillu</i>	VU
Lingshan	1	1 May 2008	Disused military fortification	Small	Disturbed	Recreation		3	<i>R. affinis</i> , <i>R. luctus</i> , <i>R. sinicu</i>	
Shilin	1	12 May 2008	Disused tourist cave	Large	Disturbed	Recreation		2	<i>H. larvatus</i> , <i>R. affini</i>	VU
Shilun	1	8 May 2008	Natural cave	Inaccessible	Undisturbed	Inaccessible	Maternity	5	<i>H. armiger</i> , <i>H. larvatus</i> , <i>M. fuliginosus</i> , <i>M. pusillus</i> , <i>R. affini</i>	VU(2), Abundance
Wuku	1	7 Apr. 2011	Disused military fortification	Small	Disturbed	Recreation		3	<i>H. larvatus</i> , <i>H. pomona</i> , <i>R. affini</i>	VU
Xianlong	1	12 May 2008	Disused tourist cave	Large	Disturbed	Recreation		3	<i>H. larvatus</i> , <i>I. io</i> , <i>R. sinicu</i>	VU
Xianren	1	17 May 2008	Natural cave	Large	Disturbed	Recreation	Maternity	8	<i>H. larvatus</i> , <i>H. pomona</i> , <i>M. fuliginosus</i> , <i>M. pusillus</i> , <i>M. horsfieldii</i> , <i>R. affinis</i> , <i>R. pusillus</i> , <i>R. leschenaulti</i>	VU(3), Richness
Xiaoshilun	1	6 May 2008	Natural cave	Small	Disturbed	Recreation		2	<i>H. larvatus</i> , <i>H. pomon</i>	VU
Bangong	2	1 Apr. 2011	Disused military fortification	Small	Disturbed	Recreation		0		
Baoshan	2	14 Apr. 2007	Disused military fortification	Small	Disturbed	Recreation		1	<i>R. ferrumequinu</i>	
Bianfu	2	20 Apr. 2007	Natural cave	Large	Disturbed	Recreation		1	<i>R. ferrumequinu</i>	
Bianfu	2	4 Apr. 2007	Natural cave	Large	Disturbed	Recreation		2	<i>Myotis</i> sp., <i>R. macrotis</i> ⁵	Abundance
Bibo	2	9 May 2007	Active tourist cave	Data deficient	Disturbed	Recreation		1	<i>T. melanopogo</i>	VU
Caihong	2	6 June 2008	Natural cave	Large	Disturbed	Recreation		4	<i>H. larvatus</i> , <i>H. pomona</i> , <i>M. fuliginosus</i> , <i>R. thomas</i>	VU(2)
Changbu	2	5,12 May 2009	Disused military fortification	Small	Disturbed	Recreation		2	<i>H. pomona</i> , <i>R. pusillu</i>	

Dahei	2	13 June 2008	Natural cave	Small	Undisturbed	Distant		4	<i>A. stoliczkanus</i> , <i>H. larvatus</i> , <i>R. macrotis</i> ⁵ , <i>R. thomas</i>	VU(2)
Dashi	2	7 Apr. 2005	Natural cave	Data deficient	Disturbed	Recreation		9	<i>H. armiger</i> , <i>M. fuliginosus</i> , <i>M. pilosus</i> , <i>M. siligorensis</i> , <i>Myotis</i> sp., <i>R. affinis</i> , <i>R. lepidus</i> , <i>R. pusillus</i> , <i>R. sinicu</i>	Richness
Dawafang	2	4 May 2007	Natural cave	Small	Disturbed	Recreation		4	<i>H. pomona</i> , <i>R. lepidus</i> , <i>R. pusillus</i> , <i>R. sinicu</i>	
Dongyun	2	7 Apr. 2007	Disused military fortification	Data deficient	Disturbed	Recreation		1	<i>H. armiger</i>	
Erdui	2	11 May 2007	Disused military fortification	Small	Disturbed	Recreation		1	<i>R. marshall</i>	
Guanyin	2	4 June 2008, 1 May 2011	Natural cave	Large	Disturbed	Research	Maternity	6	<i>A. stoliczkanus</i> , <i>H. armiger</i> , <i>M. davidii</i> , <i>Pipistrellus</i> sp., <i>R. affinis</i> , <i>T. melanopogo</i>	VU, Endemism, Richness
Guizhi	2	8 Apr. 2007	Natural cave	Data deficient	Disturbed	Recreation		10	<i>H. armiger</i> , <i>H. cineraceus</i> , <i>H. larvatus</i> , <i>H. pomona</i> , <i>M. fuliginosus</i> , <i>M. siligorensis</i> , <i>R. macrotis</i> , <i>R. macrotis</i> ⁵ , <i>R. pusillus</i> , <i>R. sinicu</i>	VU, Richness
Hefang	2	2 Apr. 2009	Disused military fortification	Small	Disturbed	Recreation		2	<i>Myotis</i> sp., <i>R. pusillu</i>	
Hekou	2	5 Apr. 2009	Disused military fortification	Small	Disturbed	Recreation		1	<i>H. cineraceu</i>	
Hongguang	2	7 May 2007	Natural cave	Small	Disturbed	Recreation		1	<i>R. affinis</i>	
Hongshui	2	27 Apr. 2007	Natural cave	Small	Disturbed	Recreation		2	<i>M. fimbriatus</i> , <i>R. sinicu</i>	Endemism
Huayu	2	8 June 2009, 23 Apr. 2011	Natural cave	Large	Disturbed	Research		3	<i>A. stoliczkanus</i> , <i>H. armiger</i> , <i>H. larvatu</i>	VU
Huyan	2	5 Apr. 2005, 6 May 2006, 10 Apr. 2007, 7,15 Apr. 2008	Natural cave	Inaccessible	Undisturbed	Inaccessible	Maternity	15	<i>A. stoliczkanus</i> , <i>E. serotinus</i> , <i>H. armiger</i> , <i>M. fuliginosus</i> , <i>M. pusillus</i> , <i>M. davidii</i> , <i>M. pilosus</i> , <i>M. siligorensis</i> , <i>R. affinis</i> , <i>R. ferrumequinum</i> , <i>R.</i>	EN, VU, Endemism, Richness

Jiaochang	2	24 Apr. 2007	Disused military fortification	Small	Disturbed	Recreation		2	<i>lepidus, R. macrotis, R. osgoodi, R. pusillus, R. sinicus</i>	VU
Jingfu	2	5 Apr. 2007	Natural cave	Small	Disturbed	Recreation		2	<i>Myotis sp., R. lepidu</i>	
Jinhuashan	2	23 Apr. 2007	Natural cave	Small	Disturbed	Recreation		2	<i>R. ferrumequinum, R. sinicu</i>	
Liushui	2	12 May 2007	Natural cave	Large	Disturbed	Recreation		0		
Longgu	2	12,17,22 Apr. 2011	Natural cave	Large	Disturbed	Research		4	<i>H. armiger, Myotis sp., Pipistrellus sp., R. affini</i>	
Longxu	2	3,9 Apr. 2004, 21 May 2005, 20 May 2006, 12 Apr. 2007, 20 Apr. 2008	Natural cave	Data deficient	Disturbed	Research		5	<i>M. siligorensis, R. lepidus, R. macrotis, R. macrotis⁵, R. sinicu</i>	
Louban	2	3 Feb. 2007	Natural cave	Large	Disturbed	Recreation		0		
Mahuang	2	15 June 2008	Natural cave	Small	Disturbed	Recreation		1	<i>M. davidii</i>	Endemism
Nan	2	14 May 2007	Natural cave	Large	Disturbed	Recreation		2	<i>I. io, M. chinensi</i>	VU
Nongchang	2	22 Apr. 2007	Disused military fortification	Data deficient	Disturbed	Recreation		3	<i>H. larvatus, R. marshalli, R. pusillu</i>	VU
Qidui	2	4,15,26 Apr. 2009, 3,13,26 May 2009	Disused military fortification	Small	Disturbed	Research	Maternity	2	<i>H. larvatus, H. pomon</i>	VU
Qinghua	2	25 Apr. 2007	Active tourist cave	Large	Disturbed	Recreation		6	<i>H. pomona, M. fuliginosus, M. fimbriatus, M. pilosus, R. ferrumequinum, R. lepidu</i>	Endemism, Richness
Sandui	2	12 Apr., 3 June 2009	Natural cave	Large	Undisturbed	Distant	Maternity	3	<i>H. larvatus, H. pomona, R. marshall</i>	VU
Sandui	2	4,19,29 Apr. 2009, 10 Apr. 2009	Disused military fortification	Inaccessible	Undisturbed	Inaccessible		3	<i>H. larvatus, H. pomona, R. marshall</i>	VU
Shiqidui	2	3 Apr. 2009	Disused military fortification	Small	Disturbed	Recreation		3	<i>H. larvatus, R. marshalli, R. pusillu</i>	VU
Shisandui	2	11 May 2009, 12 Apr. 2011	Disused military fortification	Small	Disturbed	Recreation		1	<i>M. pilosus</i>	

Shiwudui	2	4 Apr. 2009, 6 Apr. 2011	Disused military fortification	Small	Disturbed	Research		2	<i>H. larvatus, R. marshall</i>	VU
Shuiguan	2	7,19 Apr., 12,21 May 2009	Disused military fortification	Small	Disturbed	Research	Maternity	3	<i>H. cineraceus, H. larvatus, H. pomon</i>	VU
Sidui	2	7 May 2009, 4 Apr. 2011	Disused military fortification	Small	Disturbed	Recreation		5	<i>A. stoliczkanus, C. frithii, H. cineraceus, H. pomona, R. pusillu</i>	VU
Tiansheng	2	16 June 2008	Natural cave	Small	Disturbed	Recreation	Maternity	3	<i>A. stoliczkanus, H. armiger, M. lyr</i>	VU
Wangtianji	2	12 Apr. 2007	Natural cave	Large	Disturbed	Recreation		3	<i>M. fuliginosus, M. pilosus, R. ferrumequinu</i>	
Wanlingshan	2	12 June 2008	Disused tourist cave	Small	Disturbed	Recreation		2	<i>R. pusillus, R. thomas</i>	VU
Weisheng	2	6 Apr. 2009, 7 Apr. 2011	Disused military fortification	Small	Disturbed	Research		1	<i>R. pusillu</i>	
Wudui	2	9 May 2009, 8 Apr. 2011	Disused military fortification	Small	Disturbed	Research		0		
Wudui	2	5,20,26 Apr., 4 May 2009, 9 May 2011	Disused military fortification	Small	Disturbed	Research	Maternity	2	<i>H. cineraceus, H. pomon</i>	
Xialabao	2	10 Apr. 2007	Abandoned mine	Small	Disturbed	Recreation		2	<i>R. pearsonii, R. sinicu</i>	
Xialichuo	2	15 Apr. 2007	Natural cave	Large	Disturbed	Recreation		3	<i>A. stoliczkanus, M. fuliginosus, R. affini</i>	
Xianlong	2	18 June 2008	Natural cave	Inaccessible	Undisturbed	Inaccessible		10	<i>E. serotinus, I. io, M. fuliginosus, M. siligorensis, R. affinis, R. ferrumequinum, R. lepidus, R. macrotis, R. pusillus, R. si...</i>	Richness
Xianren	2	8 June 2008	Disused tourist cave	Small	Disturbed	Recreation		13	<i>H. armiger, R. affini</i>	EN, Endemism(2), Richness
Xianren	2	9 June 2008, 25,30 Apr. 2011	Natural cave	Large	Disturbed	Recreation	Maternity	2	<i>A. stoliczkanus, E. serotinus, H. armiger, I. io, M. pilosus, M. siligorensis, R. affinis, R. ferrumequinum, R.</i>	

Xinsandui	2	5 Apr. 2011	Disused military fortification	Small	Disturbed	Recreation	0	<i>lepidus, R. macrotis, R. pusillus, R. rex, R. sinicus</i>	
Xuanwei	2	2 June 2009	Natural cave	Large	Disturbed	Recreation	1	<i>M. fuliginosu</i>	
Yanzi	2	5 May 2006	Natural cave	Data deficient	Disturbed	Recreation	2	<i>Myotis sp., R. sinicu</i>	
Yegou	2	12 May 2007	Natural cave	Data deficient	Disturbed	Recreation	2	<i>M. pilosus, M. siligorensi</i>	
Yidui	2	3 Apr. 2011	Disused military fortification	Small	Disturbed	Storehouse	3	<i>H. cineraceus, H. larvatus, H. pomon</i>	VU
Yunkuang	2	18 Apr. 2007	Abandoned mine	Large	Disturbed	Recreation	3	<i>A. stoliczkanus, M. fuliginosus, R. sinicu</i>	
Zhijiaochang	2	3 Apr. 2009	Disused military fortification	Small	Disturbed	Recreation	2	<i>H. larvatus, H. pomon</i>	VU
Zhijiaoshui	2	24 Apr., 4 May 2009	Disused military fortification	Small	Disturbed	Recreation	2	<i>H. larvatus, R. marshall</i>	VU
Banke	3	1 May 2007	Natural cave	Small	Disturbed	Recreation	2	<i>H. larvatus, H. pomon</i>	VU
Bianfu	3	25 May 2008	Natural cave	Large	Undisturbed	Distant	5	<i>H. armiger, H. larvatus, H. pomona, H. pulveratus, R. paradoxolophu</i>	VU
Diyan	3	12 Apr. 2007	Natural cave	Small	Disturbed	Recreation	1	<i>R. pusillu</i>	
Gaoyan	3	13 Apr. 2007	Natural cave	Large	Disturbed	Recreation	2	<i>H. armiger, H. larvatu</i>	VU
Guanghe	3	2 May 2007	Natural cave	Small	Disturbed	Recreation	1	<i>H. pomona</i>	
Guangxi	3	5 Apr. 2007	Disused military fortification	Data deficient	Disturbed	Storehouse	2	<i>R. affinis, R. pusillu</i>	
Liaoliu	3	10 May 2011	Natural cave	Large	Disturbed	Recreation	2	<i>H. larvatus, H. pomon</i>	VU
Pozhi	3	14 Apr. 2007	Natural cave	Large	Disturbed	Recreation	3	<i>A. stoliczkanus, H. larvatus, H. pomon</i>	VU
Qianshao	3	20 Apr. 2007	Disused military fortification	Large	Disturbed	Recreation	1	<i>R. marshall</i>	
Shandi	3	28 May 2008	Natural cave	Large	Disturbed	Recreation	3	<i>A. stoliczkanus, H. armiger, R. pusillu</i>	
Shuijing	3	2 Apr. 2007	Natural cave	Large	Disturbed	Recreation	1	<i>R. pusillu</i>	
Tiantang	3	15 Apr. 2007	Natural cave	Large	Undisturbed	Distant	5	<i>H. larvatus, H. pomona, R. lepidus, R. marshalli, R. pusillu</i>	VU

Tongling	3	9 May 2011	Natural cave	Small	Disturbed	Recreation		2	<i>H. armiger, T. melanopogo</i>	VU
Xiagan	3	16 Apr. 2007	Natural cave	Small	Undisturbed	Distant		3	<i>H. larvatus, R. lepidus, R. marshall</i>	VU
Xiashui	3	3 Apr. 2007	Natural cave	Inaccessible	Undisturbed	Inaccessible		2	<i>R. pusillus, R. thomas</i>	VU
Yinyan	3	4 Apr. 2007	Natural cave	Large	Undisturbed	Distant		6	<i>H. armiger, H. pomona, I. io, R. macrotis, R. pearsonii, R. pusillu</i>	Richness
Baifo	4	20 Apr. 2011	Active tourist cave	Large	Disturbed	Ritual		2	<i>H. pomona, R. pusillu</i>	
Bianfu	4	19 Apr. 2011	Natural cave	Small	Disturbed	Recreation		2	<i>H. larvatus, R. sinicu</i>	VU
Fenghuang	4	22 Apr. 2011	Abandoned mine	Small	Disturbed	Recreation		1	<i>R. pusillu</i>	
Furong	4	21 Apr. 2008	Disused tourist cave	Large	Disturbed	Recreation		8	<i>H. armiger, H. pomona, M. davidii, R. macrotis, R. macrotis⁵, R. pusillus, R. sinicus, R. thomas</i>	VU, Endemism, Richness
Guanyinyan	4	28 Apr. 2008	Disused tourist cave	Small	Disturbed	Recreation		5	<i>M. fuliginosus, M. pilosus, R. pearsonii, R. sinicus, R. thomas</i>	VU
Wuxingshan	4	27 Apr. 2008	Natural cave	Small	Disturbed	Recreation		4	<i>H. larvatus, R. macrotis, R. macrotis⁵, R. thomas</i>	VU(2)
Yanzi	4	25 Apr. 2011	Natural cave	Large	Disturbed	Recreation		3	<i>H. armiger, R. pearsonii, R. sinicu</i>	
Baishui	5	10 July 2008	Natural cave	Large	Disturbed	Recreation		1	<i>H. armiger</i>	
Bianfu	5	24 Apr. 2010	Natural cave	Large	Disturbed	Recreation		2	<i>M. davidii, R. sinicu</i>	Endemism
Bixiao	5	27 June 2008	Active tourist cave	Large	Disturbed	Ritual		3	<i>H. armiger, M. altarium, R. re</i>	EN, Endemism
Duobin	5	22 Apr. 2010	Natural cave	Large	Disturbed	Recreation		3	<i>A. stoliczkanus, H. armiger, R. xinanzhongguoensi</i>	Endemism
Huangyan	5	15 May 2007	Natural cave	Large	Undisturbed	Distant	Maternity	4	<i>H. armiger, H. larvatus, I. io, Pipistrellus sp.</i>	VU
Liuji	5	22 June 2008	Natural cave	Small	Disturbed	Recreation		3	<i>H. armiger, M. fuliginosus, R. pusillu</i>	
Maan	5	25 June 2008	Natural cave	Small	Undisturbed	Distant		7	<i>M. bicolor, M. davidii, R. lepidus, R. pearsonii, R. pusillus, R. rex, R. sinicu</i>	EN, Endemism(2), Richness

Nianyu	5	11 July 2008	Natural cave	Small	Disturbed	Recreation	2	<i>R. pusillus, R. sinicu</i>	
Po	5	10 July 2008	Natural cave	Small	Disturbed	Recreation	0		
Shizi	5	20 May 2007	Natural cave	Small	Disturbed	Recreation	1	<i>H. armiger</i>	
Shizilukou	5	22 May 2007	Natural cave	Small	Disturbed	Recreation	7	<i>A. stoliczkanus, H. armiger, I. io, M. siligorensis, R. macrotis, R. pusillus, R. re</i>	EN, Endemism, Richness
Yeqinggou	5	24 May 2007	Natural cave	Large	Disturbed	Recreation	1	<i>H. armiger</i>	
Zhusha	5	15 May 2007, 12 May 2008	Natural cave	Large	Disturbed	Research	7	<i>A. stoliczkanus, H. armiger, M. siligorensis, R. macrotis⁵, R. pusillus, R. rex, R. sinicu</i>	EN, Endemism, Richness
Dieyan	6	12 Apr. 2010	Natural cave	Large	Disturbed	Recreation	3	<i>H. armiger, M. chinensis, Pipistrellus sp.</i>	VU
Doupo	6	19 Apr. 2010	Natural cave	Data deficient	Disturbed	Recreation	7	<i>H. armiger, M. davidii, R. macrotis, R. pearsonii, R. pusillus, R. rex, R. sinicu</i>	EN, Endemism(2), Richness
Jiumen	6	16 Apr. 2010	Natural cave	Large	Disturbed	Recreation	8	<i>M. fuliginosus, M. davidii, R. lepidus, R. macrotis, R. macrotis⁵, R. pearsonii, R. pusillus, R. sinicu</i>	Endemism, Richness
Liangfeng	6	10 May 2007	Natural cave	Large	Disturbed	Recreation	6	<i>A. stoliczkanus, I. io, M. chinensis, M. pilosus, M. siligorensis, R. pearsoni</i>	VU, Richness
Tangle	6	5 July 2008	Disused tourist cave	Large	Disturbed	Recreation	6	<i>H. armiger, H. pratti, M. davidii, Myotis sp., R. pearsonii, R. sinicu</i>	Endemism, Richness
Tongyan	6	11 Apr. 2011	Natural cave	Large	Disturbed	Recreation	7	<i>H. armiger, I. io, M. lyra, M. chinensis, M. davidii, M. pilosus, R. sinicu</i>	VU(2), Endemism, Richness
Yegou	6	7 Apr. 2004, 8 May 2006	Natural cave	Data deficient	Disturbed	Recreation	6	<i>M. laniger, M. pilosus, Myotis sp1., Myotis sp2., R. pearsonii, R. pusillu</i>	Richness
Yinshui	6	18 Apr. 2010	Natural cave	Inaccessible	Undisturbed	Inaccessible	5	<i>M. davidii, R. macrotis, R. macrotis⁵, R. pearsonii, R. sinicu</i>	Endemism
Baxian	7	18 July 2009	Active tourist cave	Large	Disturbed	Recreation	Maternity 4	<i>H. pratti, M. davidii, R. affinis, R. thomas</i>	VU, Endemism,

										Abundance
Ciyuan	7	22 July 2009	Active tourist cave	Small	Disturbed	Ritual	Maternity	1	<i>H. armiger</i>	
Danzhen	7	19 July 2009	Abandoned mine	Small	Disturbed	Recreation		1	<i>R. thomasi</i>	VU
Lianhuayan	7	24 Apr. 2008	Natural cave	Small	Disturbed	Recreation		2	<i>H. armiger</i>	VU
Lianhuayan	7	8 Apr. 2011	Natural cave	Large	Disturbed	Recreation		1	<i>R. sinicus, R. thomas</i>	
Luohan	7	20 Apr. 2008, 2,7 Apr. 2011	Natural cave	Large	Disturbed	Ritual		4	<i>H. larvatus, M. fuliginosus, R. macrotis, R. sinicu</i>	VU
Shenxian	7	28 July 2009	Natural cave	Large	Disturbed	Recreation		5	<i>H. armiger, M. fuliginosus, M. davidii, Myotis sp., R. thomas</i>	VU, Endemism, Abundance
Shiyan	7	21 Sep. 2006, 13,20,27 June 2009, 2 July 2009	Active tourist cave	Large	Disturbed	Recreation	Maternity	9	<i>H. armiger, M. davidii, M. formosus, R. affinis, R. macrotis, R. macrotis⁵, R. pearsonii, R. sinicus, R. thomas</i>	VU(2), Endemism, Richness
Shiyan	7	7 Apr. 2011	Natural cave	Large	Disturbed	Recreation		1	<i>H. armiger</i>	
Shuanglong	7	25 July 2009	Natural cave	Large	Disturbed	Recreation		6	<i>H. pratti, M. davidii, M. pilosus, Myotis sp., R. pearsonii, R. thomas</i>	VU, Endemism, Richness, Abundance
Tianguiyan	7	1 May 2008	Active tourist cave	Large	Disturbed	Recreation		1	<i>M. pilosus</i>	
Tongtian	7	26 July 2009	Natural cave	Large	Disturbed	Recreation		3	<i>M. fuliginosus, R. pearsonii, R. thomas</i>	VU, Abundance
Xianhe	7	21 Apr. 2008	Active tourist cave	Large	Disturbed	Recreation		1	<i>R. macroti</i>	
Xiaoshi	7	5, 10,15 Aug. 2006	Natural cave	Large	Disturbed	Research		7	<i>H. pratti, I. io, M. fuliginosus, M. altarium, M. chinensis, M. pilosus, R. thomas</i>	VU(2), Richness
Xiaxi	7	31 July 2009	Natural cave	Large	Undisturbed	Distant		4	<i>H. armiger, H. pratti, M. fuliginosus, M. davidii</i>	Endemism, Abundance
Dayoushan	8	10 Apr. 2008	Abandoned mine	Large	Disturbed	Recreation		2	<i>H. armiger, H. pratt</i>	
Dayouxi	8	10 Apr. 2008	Natural cave	Small	Disturbed	Recreation		2	<i>P. abramus, R. sinicu</i>	

Ganlu	8	18 Apr. 2008	Abandoned mine	Small	Disturbed	Recreation		0		
Jiulong	8	7 Apr. 2008	Active tourist cave	Small	Disturbed	Recreation		1	<i>R. pusillu</i>	
Junshan	8	8 Apr. 2008	Disused military fortification	Small	Disturbed	Recreation		0		
Liuqishan	8	6 Apr. 2008	Natural cave	Small	Disturbed	Recreation		1	<i>R. pusillu</i>	
Matoushan	8	5 Apr. 2008	Disused military fortification	Small	Disturbed	Recreation		2	<i>M. fuliginosus, R. pusillu</i>	
Pucheng	8	5 Aug. 2009	Abandoned mine	Small	Disturbed	Recreation		2	<i>R. pusillus, R. thomas</i>	VU
Yixiantian	8	2 Aug. 2009	Active tourist cave	Small	Disturbed	Recreation		3	<i>H. pratti, M. chinensis, M. pilosu</i>	VU
Bianfu	9	28 June 2009	Natural cave	Small	Disturbed	Recreation		0		
Bianfu	9	1 May 2010	Natural cave	Small	Disturbed	Recreation		2	<i>H. armiger, R. sinicu</i>	
Bianfu	9	9 June 2010	Natural cave	Small	Disturbed	Recreation	Maternity	2	<i>H. armiger, R. sinicu</i>	
Haixiu	9	28 June 2009	Natural cave	Inaccessible	Undisturbed	Inaccessible		5	<i>M. davidii, R. affinis, R. macrotis, R. pearsonii, R. pusillu</i>	Endemism
Kuang	9	2 May 2010	Abandoned mine	Small	Undisturbed	Distant		5	<i>H. armiger, M. davidii, R. lepidus, R. macrotis, R. sinicu</i>	Endemism
Longshen	9	13 June 2010	Active tourist cave	Large	Disturbed	Ritual	Maternity	4	<i>H. armiger, M. fuliginosus, M. pilosus, Myotis sp.</i>	
Maoyan	9	23 July 2008	Natural cave	Small	Disturbed	Recreation		2	<i>H. armiger, R. affini</i>	
Mei	9	4 May 2010	Abandoned mine	Inaccessible	Undisturbed	Inaccessible	Maternity	3	<i>M. davidii, M. longipes, R. affini</i>	VU, Endemism
Shuijing	9	11 June 2010	Disused tourist cave	Large	Disturbed	Recreation	Maternity	3	<i>H. armiger, R. macrotis, R. pusillu</i>	
Wanyuan	9	21 July 2008	Natural cave	Small	Disturbed	Recreation	Maternity	1	<i>R. sinicus</i>	
Wolong	9	7 June 2010	Active tourist cave	Large	Disturbed	Recreation	Maternity	2	<i>M. chinensis, M. pilosu</i>	VU
Wuming	9	29 June 2009	Natural cave	Inaccessible	Undisturbed	Inaccessible	Maternity	1	<i>H. armiger</i>	
Wuming	9	3 July 2009	Natural cave	Small	Disturbed	Recreation	Maternity	1	<i>R. pusillu</i>	
Xiangshui	9	25 July 2008	Natural cave	Large	Disturbed	Recreation		0		
Dalong	10	13 July 2005	Natural cave	Large	Disturbed	Recreation		2	<i>H. armiger, R. pusillu</i>	

Huangbaidu	10	15 July 2008	Natural cave	Small	Disturbed	Recreation		1	<i>R. pusillu</i>	
Juxian	10	24 July 2005	Natural cave	Large	Disturbed	Recreation		3	<i>H. armiger, M. fuliginosus, R. re</i>	EN, Endemism
Laolong	10	26 July 2005	Natural cave	Large	Disturbed	Recreation		1	<i>H. armiger</i>	
Long	10	14 July 2005	Natural cave	Inaccessible	Undisturbed	Inaccessible		3	<i>A. stoliczkanus, R. lepidus, R. sinicu</i>	
Niudongzi	10	29 July 2005	Natural cave	Small	Disturbed	Recreation		4	<i>H. armiger, M. fuliginosus, R. pusillus, R. re</i>	EN, Endemism
Shenxian	10	16 July 2008	Natural cave	Small	Disturbed	Recreation	Maternity	6	<i>H. armiger, M. davidii, R. macrotis, R. pusillus, R. rex, R. sinicu</i>	EN, Endemism(2), Richness
Xiannv	10	27 July 2005	Natural cave	Large	Disturbed	Recreation		3	<i>H. armiger, M. fuliginosus, R. pusillu</i>	
Zhujia	10	21 July 2005	Natural cave	Large	Disturbed	Recreation		2	<i>H. armiger, R. pusillu</i>	
Jinkuang	11	19 June 2010	Disused military fortification	Small	Disturbed	Recreation		1	<i>R. ferrumequinu</i>	
Qiliyan	11	23 June 2010	Abandoned mine	Small	Disturbed	Recreation		1	<i>M. chinensi</i>	VU
Qingfeng	11	22 June 2010	Natural cave	Small	Disturbed	Recreation	Maternity	5	<i>M. davidii, Myotis sp., R. luctus, R. pusillus, R. sinicu</i>	Endemism
Bao	12	26 May 2008	Natural cave	Small	Disturbed	Recreation		1	<i>R. ferrumequinu</i>	
Bianfu	12	29 June 2010	Natural cave	Small	Undisturbed	Distant	Maternity	3	<i>M. fuliginosus, M. chinensis, M. pilosu</i>	VU, Abundance
Handong	12	28 May 2008	Natural cave	Large	Disturbed	Recreation		2	<i>M. davidii, R. pusillu</i>	Endemism, Abundance
Jiushan	12	7 July 2010	Active tourist cave	Large	Disturbed	Recreation	Maternity	2	<i>M. adversus, R. pusillu</i>	Abundance
Liegu	12	27 June 2010	Natural cave	Small	Disturbed	Recreation		1	<i>R. ferrumequinu</i>	
Shenxian	12	10 May 2008	Natural cave	Large	Disturbed	Recreation		1	<i>R. sinicus</i>	
Shenxian	12	16 May 2008	Natural cave	Large	Disturbed	Recreation	Maternity	3	<i>R. affinis, R. pearsonii, R. sinicu</i>	
Shenxian	12	8 May 2008	Natural cave	Large	Disturbed	Recreation		2	<i>H. armiger, R. sinicu</i>	Abundance
Shizi	12	3 June 2008	Natural cave	Large	Disturbed	Recreation		5	<i>M. altarium, M. davidii, R. affinis, R. pusillus, R. sinicu</i>	Endemism, Richness, Abundance

Shuilao	12	26 June 2010	Natural cave	Small	Disturbed	Recreation		1	<i>R. sinicus</i>	
Tangchi	12	12 May 2008	Natural cave	Data deficient	Disturbed	Recreation		4	<i>H. pratti</i> , <i>M. fuliginosus</i> , <i>R. pearsonii</i> , <i>R. sinicu</i>	
Chaozhen	13	5 May 2008	Active tourist cave	Large	Disturbed	Recreation		1	<i>H. pratti</i>	
Huanglong	13	14 May 2008	Active tourist cave	Large	Disturbed	Recreation		2	<i>M. fuliginosus</i> , <i>R. pusillu</i>	Abundance
Huxiao	13	7 May 2008	Active tourist cave	Small	Disturbed	Recreation		1	<i>R. pearsoni</i>	
Lingshan	13	10 May 2008	Natural cave	Large	Disturbed	Recreation		2	<i>R. sinicus</i> , <i>R. thomas</i>	VU, Abundance
Quanshan	13	9 May 2008	Natural cave	Large	Disturbed	Recreation		7	<i>M. fuliginosus</i> , <i>M. adversus</i> , <i>M. davidii</i> , <i>R. pearsonii</i> , <i>R. pusillus</i> , <i>R. sinicus</i> , <i>R. thomas</i>	VU, Endemism, Richness, Abundance
Taoyuan	13	3 May 2008	Active tourist cave	Small	Disturbed	Recreation		1	<i>R. pearsoni</i>	
Wuming	13	7 May 2008	Natural cave	Small	Disturbed	Recreation		1	<i>R. pearsoni</i>	
Xianqiao	13	8 May 2008	Natural cave	Large	Disturbed	Recreation		1	<i>M. pilosus</i>	Abundance
Yunxing	13	5 May 2008	Active tourist cave	Large	Disturbed	Recreation		2	<i>R. ferrumequinum</i> , <i>R. pearsoni</i>	Abundance
Fangshan	14	9 July 2010	Disused military fortification	Small	Disturbed	Recreation	Maternity	2	<i>R. ferrumequinum</i> , <i>R. pusillu</i>	
Linggu	14	16 May 2008	Active tourist cave	Large	Disturbed	Recreation		5	<i>M. davidii</i> , <i>R. pearsonii</i> , <i>R. pusillus</i> , <i>R. sinicus</i> , <i>R. thomas</i>	VU, Endemism, Abundance
Yunvtan	14	18 May 2008	Natural cave	Data deficient	Disturbed	Recreation		1	<i>R. pearsoni</i>	
Zhanggong	14	20 May 2008	Active tourist cave	Data deficient	Disturbed	Recreation		0		
Xiangjishan	15	10 May 2010	Natural cave	Large	Disturbed	Recreation		3	<i>M. pusillus</i> , <i>M. altarium</i> , <i>R. ferrumequinu</i>	VU
Dafo	16	29 May 2010	Active tourist cave	Large	Disturbed	Ritual	Maternity	3	<i>I. io</i> , <i>M. davidii</i> , <i>R. macroti</i>	Endemism
Feng	16	26 May 2010	Active tourist cave	Large	Disturbed	Recreation		5	<i>M. fuliginosus</i> , <i>M. altarium</i> , <i>R. ferrumequinum</i> , <i>R. macrotis</i> , <i>R. sinicu</i>	Abundance

Hanyang	16	17 May 2010	Natural cave	Small	Disturbed	Recreation	Hibernacula	4	<i>M. pusillus</i> , <i>M. blythii</i> , <i>M. pequinius</i> , <i>R. ferrumequinu</i>	VU(2), Endemism
Lingyun	16	23 May 2010	Active tourist cave	Large	Disturbed	Recreation		1	<i>R. ferrumequinu</i>	
Longmen	16	18 May 2010	Natural cave	Inaccessible	Undisturbed	Inaccessible	Hibernacula	3	<i>M. blythii</i> , <i>M. pequinius</i> , <i>R. ferrumequinu</i>	VU, Endemism
Shashi	16	24 May 2010	Abandoned mine	Small	Disturbed	Storehouse		1	<i>R. ferrumequinu</i>	
Shuilian	16	15 May 2010	Active tourist cave	Small	Disturbed	Recreation		1	<i>M. blythii</i>	VU
Xiangshui	16	3 June 2010	Natural cave	Small	Disturbed	Recreation	Maternity	2	<i>H. armiger</i> , <i>R. pearsoni</i>	
Xishui	16	22 May 2010	Active tourist cave	Large	Disturbed	Ritual		1	<i>R. ferrumequinu</i>	
Baxian	17	18 June 2008	Active tourist cave	Large	Disturbed	Recreation		3	<i>M. fuliginosus</i> , <i>R. ferrumequinum</i> , <i>R. macrotis</i> ⁵	Abundance
Dayu	17	30 June 2010	Natural cave	Small	Disturbed	Ritual		0		
Luohan	17	16 June 2008	Natural cave	Small	Disturbed	Ritual		1	<i>R. pusillu</i>	
Wulong	17	2 July 2010	Natural cave	Large	Disturbed	Research	Maternity	3	<i>M. fuliginosus</i> , <i>M. adversus</i> , <i>R. pusillu</i>	Abundance
Xianren	17	23 June 2008	Active tourist cave	Large	Disturbed	Recreation		3	<i>H. pratti</i> , <i>M. fuliginosus</i> , <i>R. affini</i>	Abundance
Ying	17	12 June 2008	Natural cave	Large	Undisturbed	Distant		3	<i>M. fuliginosus</i> , <i>R. ferrumequinum</i> , <i>R. pusillu</i>	Abundance
Yunhua	17	20 June 2008	Active tourist cave	Large	Disturbed	Recreation	Maternity	5	<i>H. pratti</i> , <i>M. fuliginosus</i> , <i>M. pilosus</i> , <i>R. affinis</i> , <i>R. pusillu</i>	Abundance
Lingqui	18	15 July 2008	Natural cave	Large	Disturbed	Recreation	Maternity	4	<i>M. blythii</i> , <i>M. chinensis</i> , <i>M. pequinius</i> , <i>R. ferrumequinu</i>	VU(2), Endemism
Canglong	19	23 July 2010	Active tourist cave	Small	Disturbed	Ritual	Maternity	6	<i>E. serotinus</i> , <i>H. alashanicus</i> , <i>M. pequinius</i> , <i>M. pilosus</i> , <i>Myotis</i> sp., <i>R. pusillu</i>	Endemism, Richness
Fenghuang	19	1 Aug. 2008	Active tourist cave	Small	Disturbed	Recreation		0		
Fozu	19	18 July 2010	Disused tourist	Inaccessible	Undisturbed	Inaccessible	Maternity	3	<i>Myotis</i> sp., <i>R.</i>	

Touming	19	24 July 2008	cave Active tourist cave	Large	Disturbed	Recreation	Maternity	9	<i>ferrumequinum</i> , <i>R. pusillu</i> <i>E. serotinus</i> , <i>H. alashanicus</i> , <i>M. adversus</i> , <i>M. pequinus</i> , <i>M. pilosus</i> , <i>Myotis</i> sp., <i>R. ferrumequinum</i> , <i>R. pusillus</i> , <i>T. insigni</i>	VU, Endemism, Richness, Abundance
Xianren	19	15 July 2010	Disused tourist cave	Small	Disturbed	Recreation	Maternity	4	<i>H. alashanicus</i> , <i>M. pilosus</i> , <i>Myotis</i> sp., <i>R. pusillu</i>	
Xuanyun	19	21 July 2010	Disused tourist cave	Large	Disturbed	Recreation	Maternity	3	<i>M. frater</i> , <i>R. ferrumequinum</i> , <i>R. pusillu</i>	VU
Di	20	2 Aug. 2010	Natural cave	Small	Disturbed	Recreation		1	<i>R. ferrumequinu</i>	
Bianfu	21	12 June 2009, 4 Aug. 2010	Natural cave	Small	Disturbed	Recreation		4	<i>M. blythii</i> , <i>M. davidii</i> , <i>M. pilosus</i> , <i>R. ferrumequinu</i>	VU, Endemism
Gezi	22	30 July 2008	Natural cave	Small	Disturbed	Recreation	Maternity	1	<i>M. davidii</i>	Endemism
Beiyin	23	10 June 2007	Active tourist cave	Large	Disturbed	Recreation		2	<i>M. Petax</i> , <i>R. ferrumequinu</i>	
Dalazi	23	8 June 2005, 7 July 2006, 12 July 2007, 14,21 July 2008, 22 June 2009, 8 July 2010	Natural cave	Large	Disturbed	Research	Maternity	8	<i>M. leucogaster</i> , <i>M. usguriensis</i> , <i>M. formosus</i> , <i>M. ikonnikovi</i> , <i>M. macrodactylus</i> , <i>M. petax</i> , <i>P. auritus</i> , <i>R. ferrumequinu</i>	VU, Richness
Heixiong	23	17 June 2007	Natural cave	Small	Disturbed	Recreation		4	<i>E. serotinus</i> , <i>H. alashanicus</i> , <i>M. macrodactylus</i> , <i>R. ferrumequinu</i>	
Jiangjun	23	12 June 2007	Natural cave	Small	Disturbed	Recreation		0		
Liuja	23	18 July 2003	Disused military fortification	Small	Disturbed	Storehouse		2	<i>M. formosus</i> , <i>R. ferrumequinu</i>	VU
Shuilian	23	15 July 2007	Active tourist cave	Small	Disturbed	Recreation		1	<i>R. ferrumequinu</i>	
Tonghua	23	17 Aug. 2007	Natural cave	Small	Disturbed	Recreation		2	<i>M. formosus</i> , <i>M. frate</i>	VU(2)
Wuming	23	18 July 2003	Natural cave	Small	Disturbed	Recreation		1	<i>R. ferrumequinu</i>	
Xiaoshui	23	11 June 2007	Natural cave	Small	Disturbed	Recreation		5	<i>H. alashanicus</i> , <i>M.</i>	VU

Yantong	23	17 Aug. 2007	Natural cave	Data deficient	Disturbed	Recreation	7	<i>leucogaster</i> , <i>M. frater</i> , <i>M. macrodactylus</i> , <i>M. peta</i> <i>H. alashanicus</i> , <i>M. leucogaster</i> , <i>M. formosus</i> , <i>M. frater</i> , <i>M. macrodactylus</i> , <i>M. petax</i> , <i>P. auritu</i>	VU(2), Richness
Hefang	24	22 Aug. 2008	Disused military fortification	Large	Disturbed	Recreation	6	<i>H. alashanicus</i> , <i>M. leucogaster</i> , <i>M. brandtii</i> , <i>M. ikonnikovi</i> , <i>M. petax</i> , <i>P. auritu</i>	Richness
Hefang	24	20 Aug. 2008	Disused military fortification	Large	Disturbed	Recreation	6	<i>H. alashanicus</i> , <i>M. leucogaster</i> , <i>M. bombinus</i> , <i>M. frater</i> , <i>M. ikonnikovi</i> , <i>P. auritu</i>	VU, Richness
Wanfo	24	18 Aug. 2008	Abandoned mine	Small	Disturbed	Ritual	1	<i>H. alashanicu</i>	

¹Numbered provinces and municipalities are as in Fig. 1

²See text for definitions of roosts as large, small and data deficient

³The main human activity recorded (Distant indicates that the roost is far from main roads and residential areas)

⁴Reasons why some roosts are of special conservation concern: EN, Endangered species present; VU, Vulnerable species present; Endemism, endemic species present; Richness, total number of bat species ≥ 6 ; Abundance, total number of individuals $>1,000$; numbers in parentheses indicate number of species

⁵New species record (Sun et al., 2008) but its taxonomic status is still controversial (see comments in Zhang et al. (2009))