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Garrulax courtoisi *Garrulax galbanus* []
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simaoensis CR
1/3 1/3 /
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5 10 *simaoensis*
[]
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Prelim of Biology of the Blue-crowned Laughingthrush *Garrulax courtoisi* in Wuyuan of NE Jiangxi, SE China

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Abstract: The Blue-crowned Laughingthrush, *Garrulax courtoisi*, quite recently split from *G. galbanus* to be a separate species, is hence an endemic bird to southern China, with two rather isolated subspecies, the dominant in SE China and the race *simaoensis* in SW China. And, due to so small of its far known population as well as so tiny of the viable breeding habitats that those birds preferring for nesting, the Blue-crowned Laughingthrush is listed amongst the Critically Endangered (CR). According to the results of our field studies since 2000, the dominant race of the bird, *courtoisi*, is mainly restricted to Wuyuan of NE Jiangxi, SE China, particularly during the breeding season, nesting in flocks in trees in and/or around those lowland villages and towns showing high collaboration in its breeding efforts. Ususally, and statistically, for a good breeding season, number of nests of the first clutch for a breeding flock would be no more than 1/3 of the number of birds in the flock, and less than 1/5 of the second if their first clutch failed, no third clutch ever observed; and, as to be the best result, those chicks of the year which can get enough developed for leaving the breeding site with the adults would be no more than 1/4 of the number of the adults in the flock, while, some flocks in some years would have no chicks at all, mostly due to predation but sometimes also due to human disturbance. It is currently confirmed that the whole colony of the dominant, *courtoisi*, consisting of 9 breeding flocks, with over 300 individuals in total of its population, showing a trend of slightly increasing in the last 5 years. Whereas, until now, though constant seeking effort being undertaken for more than 10 years, no flocks or even individuals of the race *simaoensis* could have been virtually re-found in all the known localities and in relatively larger surroundings, both in S Yunnan and in W Guangxi, of SW China.

Key words: The Blue-crowned Laughingthrush, *Garrulax courtoisi*; Biology; The location Wuyuan of NE Jiangxi

					<i>Garrulax galbanus</i>	
	<i>Garrulax courtoisi</i>					<i>Garrulax courtoisi</i>
		2002				Berlioz
	2002	2002	He et al. 2003	1930	<i>Garrulax</i>	
						<i>courtoisi</i>
					<i>Garrulax galbanus</i>	
						1982
	1919		A. Riviere	9		1956
	20	28		3		1958
			[]		<i>galbanus simaoensis</i>	
	F. Courtois				20	
			1923		Berlioz	
	M. A. Mègeaux		1923		<i>Garrulax courtoisi</i>	Collar 2006
			Courtois			2006
	<i>Garrulax courtoisi</i> nov. sp.				<i>Garrulax courtoisi</i>	
	La Touche		1925 ~ 1930		<i>simaoensis</i>	
	Godwin-Austen					
	Munipur Valley		1874	/		1956

Criteria

1 200 km² 1

2014

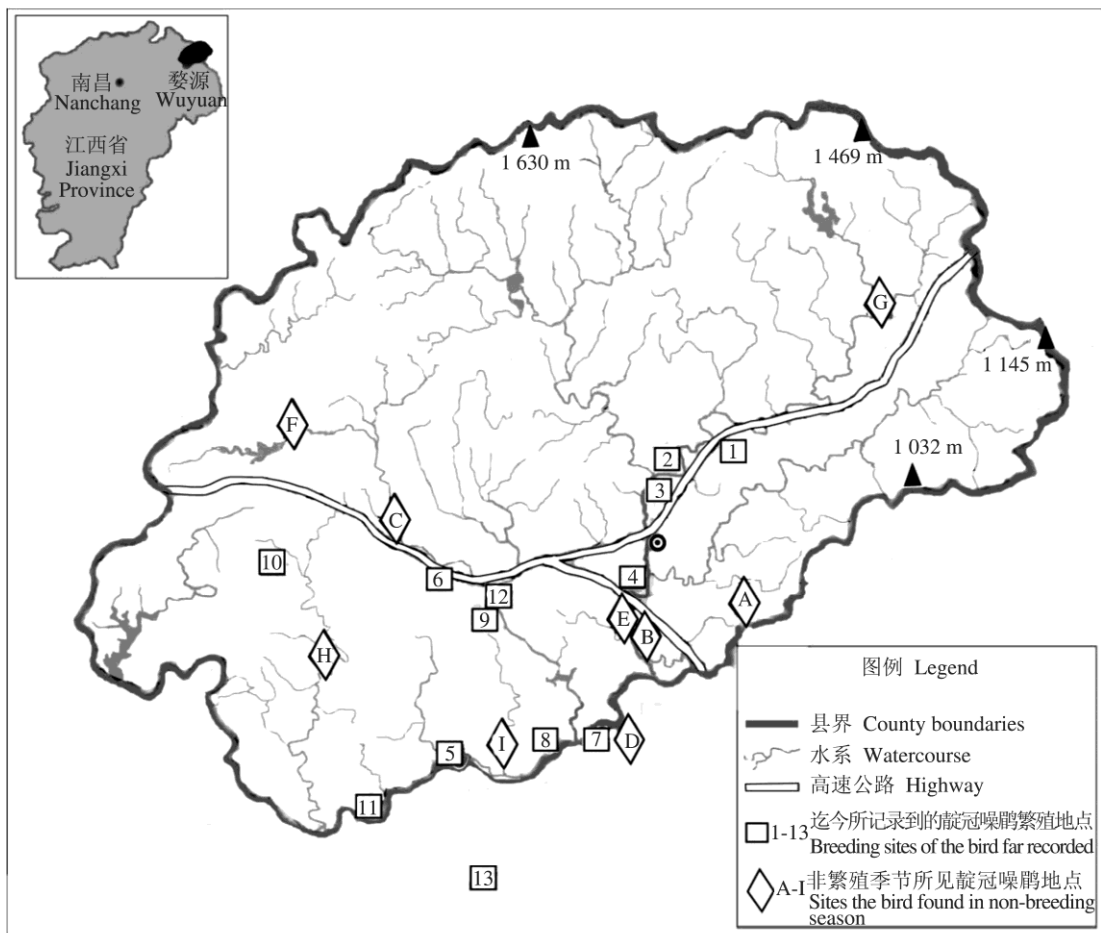
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1.1

2011

IUCN/SSC

distributional range territory



1

Fig. 1 The occurrence of the Blue-crowned Laughingthrush in Wuyuan

1.2

2002
2006

2006

1.3

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2

9

4

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6

1.5 m

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2008 5 7 15

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6

5 6 2013 5 1994 (Inskipp et al. 1996)
 1 N. J. Collar
 Timaliidae
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 9 2015 *Garrulax courtoisi*
 1 *galbanus*
 Collar 2006
 300 2006
 200 Collar
Handbook of the Birds of the World
 / *Dryonastes* Collar et al. 2007
The Howard and Moore Complete Checklist of the Birds of the World [4th ed.]
 Dickinson et al. 2014 BirdLife
 International
 3 *Garrulax*
 3.1 *galbanus courtoisi simaoensis*
 20 90
 Berlioz 1930 DNA
Garrulax courtoisi Long et al *galbanus-courtoisi*

1 2006 ~ 2015

Table 1 Census results of Wuyuan BCLT in 2006 2015

	1 Site 1	2 & 3 Site 2 & 3	5 Site 5	6 Site 6	7 Site 7	8 Site 8	9 Site 9	10 Site 10
2006	30 ±	> 60	15 20	> 30	45 50	?	6	
2007	23	58	0	0	26 + 60	?	6	
2008	30 ±	55 60	0	0	85 [50 + 35]	60 [30 + 30]	?	
2009	35 ±	45	0	0	85 [55 + 30]	40 +	35 +	
2010	15 +	70 [48 + 22]	25 ±	0	35 +	17	38 40	
2011	25 +	48	18 20	0	76 [56 + 20]	55 60	63 [38 + 25]	
2012	23	71 [53 + 18]	77 [53 + 24]	0	80 +	26 28	22 +	
2013	29	99 [59 + 19 + 21]	4	2	65 [45 + 20]	40 +	35 +	?
2014	20 22	88 [68 + 20]	10 12	0	95 [45 + 50]	60 [40 + 20]	43 45	?
2015	4	83 [56 + 27]	44	0	81	41	40	24

galbanus courtoisi
simaoensis
 taxon
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NT Collar et al. 1994

-

Wilkinson 2004

EN

2004

simaoensis

Collar 2006

98 ~ 106°

2006

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CR

CR

2009

simaoensis

/ [CR

]

2 km²

Garrulax

simaoensis

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CR

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WE

He et al. 2015

CR B2ab iii

2016

[]

21

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10

90% /

He et al. 2003

2006

2007

simaoensis

21

courtoisi

[]

2 500

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2006

2011

[]

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2016

323

8 ~ 10

25 km

1919

13 6

1956

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- 2013 5
[] Dr. D. Melville
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2009 7 26
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- Berlioz J. 1930. Revision systématique du genre *Garrulax* Lesson. L'Oiseau, 11: 1 07, 78 05, 129 059.
- Collar N J. 2006. A partial revision of the Asian babblers (Timaliidae). Forktail, 22: 85 12.
- Collar N J, Crosby M J, Stattersfield A J. 1994. Birds to Watch 2 ó the World List of Threatened Birds. Cambridge, UK: BirdLife International, 236.
- Collar N, Robson C, Sharpe C J. 2007. Blue-crowned Laughingthrush (*Dryonastes courtoisi*) del Hoyo J, Elliott A, Sargatal J, et al. 2007. Handbook of the Birds of the World. Barcelona: Lynx Edicions, 234.
- Dickinson E C, Christidis L. 2014. The Howard and Moore Complete Checklist of the Birds of the World. 4th ed. Eastbourne, UK: Aves Press, 544.
- He F Q, Cheng S L, Melville D S, et al. 2015. *Garrulax milnei milnei*, a taxon little known in Chinese ornithology. Zoological Systematics, 40(2): 235 236.
- He F Q, Wirth R, Melville D, et al. 2003. Little-known oriental bird Courtois s Laughingthrush *Garrulax galbanus courtoisi*. Oriental Bird Club Bulletin, 38: 35 40.
- Inskipp T, Lindsey N, Duckworth W. 1996. An Annotated Checklist of the Birds of the Oriental Region. Sandy, UK: The Oriental Bird Club, 178.
- La Touche J D D. 1925 1930. A handbook of the Birds of Eastern China. Vol. 1. London: Taylor & Francis, 54 65.
- Long A, Crosby M, Inskipp T. 1994. A review of the taxonomic status of the Yellow-throated Laughingthrush *Garrulax galbanus*. Oriental Bird Club Bulletin, 19: 41 48.
- Mégaux M A. 1923. Description du *GARRULAX COURTOISI* nov. sp. de la Chine. Rev. Franc. Orn., 8(169): 98.
- Wilkinson R, He F Q, Gardner L et al. 2004. A highly threatened bird ó Chinese Yellow-throated Laughing Thrushes in China and in zoo. International Zoo News, 51(8): 456 469.
- , . 2011.
- , 46(5): 66 68.
- , David S Melville, . 2016.
- , 51(3): 492 496.
- , . 2006.
- , 41(2): 58 60.
- , . 2014.
- , 49(2): 170 184.
- , . 2002. *Garrulax galbanus courtoisi* . 37(5): 82.
- , . 2006. . 41(5): 127.
- , . 2006.
- , 28(6): 907 911.
- , . 2002.
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